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**Product Specifications Reference**

Version 540, April 2019

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**Lenovo** ThinkPad Laptops

# PSREF



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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## April 20, 2019 - Version 540

### Additions in this update

#### ► New product(s)

ThinkPad E490s models announced March 2019

ThinkPad T490 models announced March or April 2019

ThinkPad T490s models announced March or April 2019

ThinkPad T590 models announced March 2019

ThinkPad X390 models announced March or April 2019

#### ► New model(s)

ThinkPad T480 models announced March 2019

ThinkPad P1 models announced April 2019

ThinkPad P52 models announced April 2019

ThinkPad P72 models announced April 2019

ThinkPad X1 Carbon (6<sup>th</sup> Gen) models announced April 2019

ThinkPad X280 models announced April 2019

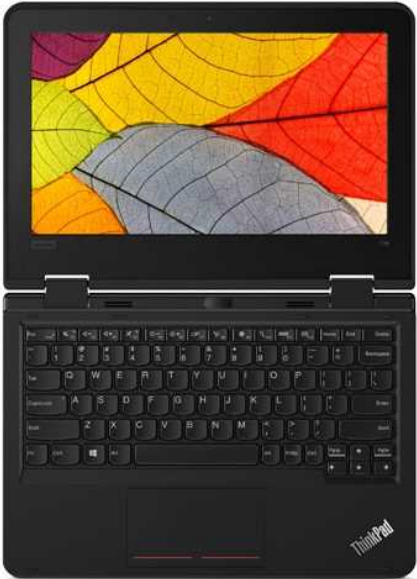
#### ► Others

None

### Withdrawals in this update

#### ► Withdrawn product(s)

None



# ThinkPad 11e (5<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ m / i5 Processor, Intel Celeron® processor, or Intel Pentium® Silver processor							Dimensions	<i>WxDxH:</i> 11.81" x 8.27" x 0.86"; 300mm x 210mm x 21.9mm
								Weight	Starting at 2.99 lb (1.36 kg)
								Case color	Black
								Case material	<i>Display cover:</i> PC/ABS+GF; <i>Bottom:</i> PC/ABS plastic
								Media reader	MicroSD card reader
							Ports	Two USB 3.1 Gen 1, one USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
							Camera	HD720p camera, fixed focus	
							Audio support	HD Audio, Realtek® ALC3287 codec, stereo speakers, 2W x 2, Dolby® Audio™, monaural digital microphone, combo audio/microphone jack	
Graphics	Intel HD Graphics 615, Intel UHD Graphics 600 or 605 in processor, supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 3840x2160@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Keyboard	6-row, spill-resistant, multimedia Fn keys
Chipset	Intel SoC (System on Chip) platform							Touchpad	Buttonless Mylar surface touchpad below keyboard, multi-touch
Memory	4GB or 8GB / 1866MHz LPDDR3 or 2400MHz DDR4 / soldered to systemboard, no sockets							Security	Power-on password, supervisor password, security keyhole
Display	<i>Some:</i> 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio							Security chip	Discrete TPM 2.0, TCG Certified
	<i>Some:</i> 11.6" (295mm) HD (1366x768), anti-glare, LED backlight, IPS, multi-touch, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle							vPro	None
Multi-touch	Capacitive-type multi-touch, supports 10-finger gesture (HD IPS only)							Fingerprint reader	None
Storage	eMMC flash memory on board or M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s							NFC	None
Optical	None							Battery	Integrated Li-ion 42Wh battery
Ethernet	Realtek RTL8111GUS Gigabit Network Connection							Max battery life	<i>MobileMark® 2014:</i> 13.9 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card • Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card (US only)							AC adapter	45W or 65W slim tip AC adapter
WWAN	None							Preload	Windows® 10 Home 64 or Windows 10 Pro 64
							Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service	
							Mil-Spec test	MIL-STD-810G military certification	
							Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant	

## ThinkPad 11e (5th Gen) - TopSeller - 20LQ

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20LQ0001US	US	m3-7Y30	No	Intel HD 615	4GBx1 LPDDR3-1866	11.6" HD (1366x768)	None	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/18
20LQ0002US	US	m3-7Y30	No	Intel HD 615	4GBx1 LPDDR3-1866	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/18
20LQ0007US	US	m3-7Y30	No	Intel HD 615	4GBx1 LPDDR3-1866	11.6" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/18
20LQ000GUS	US	Celeron N4100	No	Intel UHD 600	4GBx1 DDR4-2400	11.6" HD (1366x768)	None	128GB eMMC	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/18
20LQ000HUS	US	Celeron N4100	No	Intel UHD 600	4GBx1 DDR4-2400	11.6" HD (1366x768)	None	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/18
20LQ000JUS	US	Celeron N4100	No	Intel UHD 600	4GBx1 DDR4-2400	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/18
20LQ000KUS	US	Celeron N4100	No	Intel UHD 600	4GBx1 DDR4-2400	11.6" HD (1366x768) IPS	10-point Multi-touch	128GB eMMC	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/18
20LQ000LUS	US	Celeron N4100	No	Intel UHD 600	8GBx1 DDR4-2400	11.6" HD (1366x768)	None	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/18
20LQ000MUS	US	Pentium Silver N5000	No	Intel UHD 605	8GBx1 DDR4-2400	11.6" HD (1366x768)	None	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/18
20LQ000NUS	US	Pentium Silver N5000	No	Intel UHD 605	8GBx1 DDR4-2400	11.6" HD (1366x768) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	720p	Non-backlit	None	None	dTPM 2.0	3-cell (42Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/18



# ThinkPad A275 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD PRO A-Series APUs								Smart card reader	<i>Optional</i> : Smart card reader								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)								
	PRO A10-8730B	4	4	2.4 GHz	3.3 GHz	2MB	DDR4-1866	AMD Radeon™ R5 Graphics	Ports	Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45)								
	PRO A12-8830B			2.5 GHz	3.4 GHz			AMD Radeon™ R5 Graphics	<i>Monitor cable (optional)</i>	* Depending on many factors, actual data transfer speed may be lower than theoretical speed HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter								
	PRO A10-9700B			2.5 GHz	3.4 GHz			AMD Radeon™ R7 Graphics										
PRO A12-9800B	2.7 GHz			3.6 GHz	AMD Radeon™ R7 Graphics													
* Windows 7 is only supported by PRO A10-8730B and PRO A12-8830B								Camera (optional)	HD720p resolution, fixed focus									
								Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack									
Graphics	AMD Radeon R5 or R7 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight								
Chipset	AMD SoC (System on Chip) platform								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad								
Memory	16Gb max / 1866MHz DDR4, one DDR4 SO-DIMM socket								Security	Power-on password, hard disk password, supervisor password, security keyhole								
Display	Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle								Security chip	dTPM 1.2: discrete TPM 1.2, TCG Certified dTPM 2.0: discrete TPM 2.0, TCG Certified								
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only, US only)								Fingerprint reader	<i>Optional</i> : Touch style match on chip fingerprint reader on the palm rest								
Storage	System has one HDD slot or one M.2 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s								NFC	None								
Optical	None								Internal battery	<i>Optional</i> : Integrated Li-ion or Li-Polymer 3-cell (23Wh)								
Ethernet	Realtek® RTL8111EPV Gigabit Ethernet connection								External battery	Li-ion 3-cell (23Wh) or 6-cell (48Wh)								
WLAN	Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								Max battery life	<table border="1"> <thead> <tr> <th>Models</th> <th>No + 3-cell</th> <th>3-cell + 3-cell</th> <th>3-cell + 6-cell 48Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>5.05 hr</td> <td>10.1 hr</td> <td>15.6 hr</td> </tr> </tbody> </table>	Models	No + 3-cell	3-cell + 3-cell	3-cell + 6-cell 48Wh	Max battery life	5.05 hr	10.1 hr	15.6 hr
Models	No + 3-cell	3-cell + 3-cell	3-cell + 6-cell 48Wh															
Max battery life	5.05 hr	10.1 hr	15.6 hr															
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								* Battery life varies significantly with settings, usage, & other factors									
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455) * For non-WWAN model, it means the model is NOT WWAN upgradable								AC adapter	45W slim tip AC adapter or 45W USB Type-C AC adapter								
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) SIM card								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo PowerEngage • ThinkVantage Product Recovery • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) <i>Some</i> : Windows 10 Home 64 <i>Some</i> : Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate								
Dimensions	WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm								Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service								
Weight	<table border="1"> <thead> <tr> <th>Models</th> <th>No + 3-cell</th> <th>3-cell + 3-cell</th> <th>3 + 6-cell</th> </tr> </thead> <tbody> <tr> <td>Weight</td> <td>2.79 lb / 1.27 kg</td> <td>2.98 lb / 1.36 kg</td> <td>3.33 lb / 1.52 kg</td> </tr> </tbody> </table>								Models	No + 3-cell	3-cell + 3-cell	3 + 6-cell	Weight	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg	Mil-Spec test	MIL-STD-810G military certification
Models	No + 3-cell	3-cell + 3-cell	3 + 6-cell															
Weight	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg															
Case color	Black								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant								
Case material	Glass-Fiber Reinforced Plastic																	

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018

ThinkPad A275 - TopSeller - 20KD

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KD0013US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	09/17
20KD0014US	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	09/17
20KD0015US	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	09/17
20KD0016US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	09/17
20KD0017US	US	AMD PRO A10-9700B	AMD R7 Graphics	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	09/17
20KD0018US	US	AMD PRO A10-8730B	AMD R5 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	09/17
20KD0019US	US	AMD PRO A10-8730B	AMD R5 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	09/17
20KD001AUS	US	AMD PRO A10-8730B	AMD R5 Graphics	4GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	09/17
20KD001QUS	US	AMD PRO A12-8830B	AMD R7 Graphics	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	11/17
20KD001RUS	US	AMD PRO A12-8830B	AMD R7 Graphics	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	11/17
20KD001SUS	US	AMD PRO A12-8830B	AMD R7 Graphics	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	11/17
20KD001TUS	US	AMD PRO A12-8830B	AMD R7 Graphics	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	11/17





# ThinkPad A285 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ PRO Mobile Processors with Radeon™ Vega Graphics							Smart card reader <i>Optional</i> : Smart card reader Media reader Ports MicroSD card reader, in the combo slot with nano-SIM card One USB 3.1 Gen 1 (Always On), one USB 3.1 Gen 2, two USB 3.1 Type-C Gen 2, HDMI 2.0, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed Monitor cable <i>(optional)</i> HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	L2 Cache	Memory Types		Processor Graphics
	Ryzen 3 PRO 2300U	4	4	2.0 GHz	3.4 GHz	2MB	DDR4-2400		Radeon Vega 6 Graphics
	Ryzen 5 PRO 2500U		8	2.0 GHz	3.6 GHz				Radeon Vega 8 Graphics
Ryzen 7 PRO 2700U	8		2.2 GHz	3.8 GHz	Radeon Vega 10 Graphics				
Graphics	AMD Radeon Vega 6, Vega 8, or Vega 10 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports four independent displays; Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@60Hz (HDMI)							Camera <i>(optional)</i> <i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus Audio support HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack	
Chipset Memory	AMD SoC (System on Chip) platform 8GB or 16GB / 2400MHz DDR4, soldered to systemboard, no sockets							Keyboard UltraNav™ 6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Display	Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle							Security Security chip Discrete TPM 2.0, TCG Certified Fingerprint reader NFC <i>Optional</i> : Touch style match on chip fingerprint reader on the palm rest None	
Multi-touch <i>(opt)</i>	On-cell touch, supports 10-finger gesture (FHD only)							Battery Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter Max battery life MobileMark® 2014: 10.55 hr * Battery life varies significantly with settings, usage, & other factors	
Storage	One of the following, configurable by model: • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)							AC adapter 45W or 65W USB Type-C AC adapter	
Optical	None							Preload Windows® 10 Home 64 or Windows 10 Pro 64	
Ethernet	Gigabit Ethernet connection via opt ThinkPad Ethernet Extension Adapter Gen 2							Limited warranty <i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service	
WLAN Bluetooth™	Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter							Mil-Spec test MIL-STD-810G military certification	
WWAN <i>(optional)</i>	Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>							Environment EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant	
SIM card <i>(opt)</i>	Nano-SIM card slot, in the combo slot with microSD card reader, optional Verizon LTE (US) SIM card								
Dimensions	WxDxH (HD & FHD multi-touch): 12.11" x 8.26" x 0.69"; 307.7mm x 209.8mm x 17.4mm WxDxH (FHD non-touch): 12.11" x 8.26" x 0.70"; 307.7mm x 209.8mm x 17.8mm								
Weight	FHD non-touch model: 2.49 lb / 1.13 kg; HD non-touch model: 2.78 lb / 1.26 kg; FHD multi-touch model: 2.79 lb / 1.27 kg								
Case color	Black								
Case material	Display cover: Carbon Fiber (FHD non-touch model) or PPS (HD & FHD multi-touch model); Bottom: Magnesium/Aluminum								

Note: The specifications above may not be available in all regions.

Lenovo  
March 2019

ThinkPad A285 - TopSeller - 20MW

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Adapter	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	OS	Warranty	Ann Date (m/y)
20MW000TUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	11ac, 2x2 + BT4.1	None	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	08/18
20MW0010US	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	11ac, 2x2 + BT4.1	None	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	08/18



# ThinkPad A475 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD PRO A-Series APUs							Smart card reader	Optional: Smart card reader											
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I										
	PRO A10-8730B	4	4	2.4 GHz	3.3 GHz	2MB	DDR4-1866	AMD Radeon™ R5 Graphics	Ports	Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2, HDMI 1.4b, Ethernet (RJ-45), Dock connector										
	PRO A12-8830B			2.5 GHz	3.4 GHz			AMD Radeon™ R7 Graphics	* Depending on many factors, actual data transfer speed may be lower than theoretical speed											
	PRO A10-9700B			2.5 GHz	3.4 GHz															
PRO A12-9800B	2.7 GHz			3.6 GHz																
* Windows 7 is only supported by PRO A10-8730B and PRO A12-8830B									Monitor cable	Optional: Lenovo USB-C to VGA Adapter										
Graphics	AMD Radeon R5 or R7 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Camera (optional)	HD720p resolution, fixed focus											
	Chipset	AMD SoC (System on Chip) platform							Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack										
Memory	32GB max / 1866MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets							Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight											
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 350:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad											
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only, US only)							Security	Power-on password, hard disk password, supervisor password, security keyhole											
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s							Security chip	dTPM 1.2: discrete TPM 1.2, TCG Certified dTPM 2.0: discrete TPM 2.0, TCG Certified											
Optical	None							Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the keyboard bezel											
Ethernet	Realtek® RTL8111EPV Gigabit Ethernet connection							NFC	None											
WLAN	Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card							Internal battery	Optional: Integrated Li-Polymer 3-cell (24Wh)											
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter							External battery	Li-Polymer 3-cell (24Wh) or Li-ion 6-cell (48Wh)											
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455) * For non-WWAN model, it means the model is NOT WWAN upgradable							Max battery life (MobileMark® 2014)	<table border="1"> <thead> <tr> <th>Models</th> <th>3-cell</th> <th>3 + 3-cell</th> <th>6-cell 48Wh</th> <th>3 + 6-cell 48Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>5.13 hr</td> <td>10.26 hr</td> <td>10.26 hr</td> <td>15.4 hr</td> </tr> </tbody> </table>		Models	3-cell	3 + 3-cell	6-cell 48Wh	3 + 6-cell 48Wh	Max battery life	5.13 hr	10.26 hr	10.26 hr	15.4 hr
Models	3-cell	3 + 3-cell	6-cell 48Wh	3 + 6-cell 48Wh																
Max battery life	5.13 hr	10.26 hr	10.26 hr	15.4 hr																
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) SIM card							AC adapter	45W or 65W slim tip AC adapter, 45W or 65W USB Type-C AC adapter											
Dimensions	WxDxH: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm							Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo PowerEngage • ThinkVantage Product Recovery • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)											
Weight	<table border="1"> <thead> <tr> <th>Models</th> <th>3-cell or 3 + 3-cell</th> <th>6-cell or 3 + 6-cell</th> </tr> </thead> <tbody> <tr> <td>Magnesium</td> <td>3.49 lb / 1.58 kg</td> <td>3.92 lb / 1.78 kg</td> </tr> <tr> <td>PPS</td> <td>3.63 lb / 1.65 kg</td> <td>4.35 lb / 1.85 kg</td> </tr> </tbody> </table>							Models	3-cell or 3 + 3-cell	6-cell or 3 + 6-cell	Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg	PPS	3.63 lb / 1.65 kg	4.35 lb / 1.85 kg	Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service		
Models	3-cell or 3 + 3-cell	6-cell or 3 + 6-cell																		
Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg																		
PPS	3.63 lb / 1.65 kg	4.35 lb / 1.85 kg																		
Case color	Black							Mil-Spec test	MIL-STD-810G military certification											
Case material	Display cover: Magnesium Hybrid or PPS (Magnesium Hybrid for US only); Bottom: Glass-Fiber Reinforced Plastic							Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant											

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018

ThinkPad A475 - TopSeller - 20KL

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20KL0016US	US	AMD PRO A10-9700B	AMD R7 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	09/17
20KL0017US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GB	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	09/17
20KL0018US	US	AMD PRO A12-9800B	AMD R7 Graphics	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	09/17
20KL0019US	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	09/17
20KL001AUS	US	AMD PRO A12-9800B	AMD R7 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	09/17
20KL001BUS	US	AMD PRO A10-8730B	AMD R5 Graphics	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	09/17
20KL001CUS	US	AMD PRO A10-8730B	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	09/17
20KL001DUS	US	AMD PRO A10-8730B	AMD R5 Graphics	8GB	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	09/17
20KL001PUS	US	AMD PRO A12-8830B	AMD R7 Graphics	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	11/17
20KL001QUS	US	AMD PRO A12-8830B	AMD R7 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	11/17
20KL001RUS	US	AMD PRO A12-8830B	AMD R7 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	11/17
20KL001SUS	US	AMD PRO A12-8830B	AMD R7 Graphics	8GB	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	11/17



# ThinkPad A485 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ PRO Mobile Processors with Radeon™ Vega Graphics	Smart card reader Media reader Ports	Optional: Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I One USB 3.1 Gen 1 (Always On), one USB 3.1 Gen 2, two USB 3.1 Type-C Gen 2, HDMI 2.0, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 media reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>																									
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>L2 Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Ryzen 3 PRO 2300U</td> <td rowspan="3">4</td> <td>4</td> <td>2.0 GHz</td> <td>3.4 GHz</td> <td rowspan="3">2MB</td> <td rowspan="3">DDR4-2400</td> <td>Radeon Vega 6 Graphics</td> </tr> <tr> <td>Ryzen 5 PRO 2500U</td> <td>8</td> <td>2.0 GHz</td> <td>3.6 GHz</td> <td>Radeon Vega 8 Graphics</td> </tr> <tr> <td>Ryzen 7 PRO 2700U</td> <td>8</td> <td>2.2 GHz</td> <td>3.8 GHz</td> <td>Radeon Vega 10 Graphics</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	L2 Cache	Memory Types	Processor Graphics	Ryzen 3 PRO 2300U	4	4	2.0 GHz	3.4 GHz	2MB	DDR4-2400	Radeon Vega 6 Graphics	Ryzen 5 PRO 2500U	8	2.0 GHz	3.6 GHz	Radeon Vega 8 Graphics	Ryzen 7 PRO 2700U	8	2.2 GHz	3.8 GHz	Radeon Vega 10 Graphics	Monitor cable (opt) HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	L2 Cache	Memory Types	Processor Graphics																					
Ryzen 3 PRO 2300U	4	4	2.0 GHz	3.4 GHz	2MB	DDR4-2400	Radeon Vega 6 Graphics																					
Ryzen 5 PRO 2500U		8	2.0 GHz	3.6 GHz			Radeon Vega 8 Graphics																					
Ryzen 7 PRO 2700U		8	2.2 GHz	3.8 GHz			Radeon Vega 10 Graphics																					
Graphics	AMD Radeon Vega 6, Vega 8, or Vega 10 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports four independent displays; Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@60Hz (HDMI)	Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus																									
Chipset	AMD SoC (System on Chip) platform	Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack																									
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* Installed DIMMs are actually 2666MHz but run at 2400MHz due to AMD limitation</i>	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight																									
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle	UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																									
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)	Security	Power-on password, hard disk password, supervisor password, security keyhole																									
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN	Security chip	Discrete TPM 2.0, TCG Certified																									
Optical	None	Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the keyboard bezel																									
Ethernet	Realtek® RTL8111GUL Gigabit Ethernet connection	NFC	None																									
WLAN	Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card	Battery	Integrated Li-ion 24Wh battery and external Li-ion 24Wh, 48Wh, or 72Wh battery																									
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Max battery life (MobileMark® 2014)	<table border="1"> <thead> <tr> <th>Models</th> <th>24Wh</th> <th>48Wh</th> <th>72Wh</th> <th>24Wh + 24Wh</th> <th>24Wh + 48Wh</th> <th>24Wh + 72Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>5.37 hr</td> <td>10.76 hr</td> <td>16.4 hr</td> <td>10.76 hr</td> <td>16.4 hr</td> <td>22.15 hr</td> </tr> </tbody> </table> <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	Models	24Wh	48Wh	72Wh	24Wh + 24Wh	24Wh + 48Wh	24Wh + 72Wh	Max battery life	5.37 hr	10.76 hr	16.4 hr	10.76 hr	16.4 hr	22.15 hr											
Models	24Wh	48Wh	72Wh	24Wh + 24Wh	24Wh + 48Wh	24Wh + 72Wh																						
Max battery life	5.37 hr	10.76 hr	16.4 hr	10.76 hr	16.4 hr	22.15 hr																						
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>	AC adapter	45W or 65W USB Type-C AC adapter																									
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card	Preload	Windows® 10 Home 64 or Windows 10 Pro 64																									
Dimensions	WxDxH: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm	Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service																									
Weight	<table border="1"> <thead> <tr> <th>Models</th> <th>24Wh or 24Wh + 24Wh</th> <th>48Wh, 72Wh, or 24Wh + 48Wh / 72Wh</th> </tr> </thead> <tbody> <tr> <td>Magnesium</td> <td>3.49 lb / 1.58 kg</td> <td>3.92 lb / 1.78 kg</td> </tr> <tr> <td>PPS</td> <td>3.63 lb / 1.65 kg</td> <td>4.08 lb / 1.85 kg</td> </tr> </tbody> </table>	Models	24Wh or 24Wh + 24Wh	48Wh, 72Wh, or 24Wh + 48Wh / 72Wh	Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg	PPS	3.63 lb / 1.65 kg	4.08 lb / 1.85 kg	Mil-Spec test	MIL-STD-810G military certification																
Models	24Wh or 24Wh + 24Wh	48Wh, 72Wh, or 24Wh + 48Wh / 72Wh																										
Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg																										
PPS	3.63 lb / 1.65 kg	4.08 lb / 1.85 kg																										
Case color	Black	Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant																									
Case material	Display cover: Magnesium Hybrid or PPS; Bottom: Glass-Fiber Reinforced Plastic																											

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018



ThinkPad A485 - TopSeller - 20MU

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20MU000HUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	128GB SSD	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000JUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000KUS	US	AMD Ryzen 7 PRO 2700U	AMD Vega 10 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000LUS	US	AMD Ryzen 3 PRO 2300U	AMD Vega 6 Graphics	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20MU000MUS	US	AMD Ryzen 7 PRO 2700U	AMD Vega 10 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000NUS	US	AMD Ryzen 7 PRO 2700U	AMD Vega 10 Graphics	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000PUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20MU000QUS	US	AMD Ryzen 3 PRO 2300U	AMD Vega 6 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20MU000RUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000SUS	US	AMD Ryzen 7 PRO 2700U	AMD Vega 10 Graphics	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000TUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000UUS	US	AMD Ryzen 7 PRO 2700U	AMD Vega 10 Graphics	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU000VUS	US	AMD Ryzen 5 PRO 2500U	AMD Vega 8 Graphics	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20MU000WUS	US	AMD Ryzen 7 PRO 2700U	AMD Vega 10 Graphics	16GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20MU001AUS	US	AMD Ryzen 3 PRO 2300U	AMD Vega 6 Graphics	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	08/18



# ThinkPad E475 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Accelerated Processor A6 or A10 APU								Dimensions	<i>WxDxH:</i> 13.35" x 9.53" x 0.93"; 339mm x 242mm x 23.7mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 4.12 lb / 1.87kg
	A6-9500B	2	4	2.3 GHz	3.2 GHz	2MB	DDR4-1866	R5 Graphics	Case color	Black
A10-9600P	4	8	2.4 GHz	3.3 GHz	2MB	Case material			PC/ABS plastic	
Graphics	AMD Radeon™ R5 Graphics in processor only, or AMD Radeon R5 M430 Graphics, 2GB DDR3 memory, digital monitor support via HDMI™; supports dual independent display; Max resolution: 1920x1080 (HDMI)@60Hz								Smart card reader	None
									Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
Chipset	AMD SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>*System automatically clocks down with 1866MHz DDR4 memory controller</i>								Ports	Two USB 3.0 (one Always On), one USB 2.0, HDMI, Ethernet (RJ-45), combo audio / microphone jack <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
									Memory	
Display	14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio								Camera	HD720p resolution, fixed focus
Multi-touch	None								Audio support	HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium, stereo speakers, 2W x 2, dual array microphone, combo audio / microphone jack
Storage	<i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable								Keyboard	6-row, spill-resistant, multimedia Fn keys
Optical	None								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								Security	Power-on password, hard disk password, supervisor password, security keyhole
WLAN	<i>One of the following, configurable by model:</i> • 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card • 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								Security chip	<i>FW TPM2.0:</i> Firmware TPM 2.0, integrated in chipset <i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Fingerprint reader	None
WWAN	None								NFC	None
SIM card	None								Battery	Li-Polymer 3-cell (45Wh)
									Max battery life	<i>MobileMark® 2014:</i> 6.5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
									AC adapter	45W or 65W slim tip AC adapter
									Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64
									Limited warranty	1-year depot repair service
									Mil-Spec test	None
									Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
July 2018

# ThinkPad E475 - TopSeller - 20H4

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H40006US	US	AMD A6-9500B	AMD R5 Graphics	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H40007US	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	45Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H40008US	US	AMD A10-9600P	AMD R5 M430 2GB	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	45Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H40009US	US	AMD A6-9500B	AMD R5 Graphics	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H4000AUS	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	45Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H4000DUS	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	45Wh	65W	Windows 10 Pro 64	1-year, Depot	01/17



# ThinkPad E480 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i3 / i5 Processor (i3-7130U is NOT available in US and EMEA) or	Dimensions	Aluminum (WxDxH): 12.96" x 9.53" x 0.78"; 329mm x 242mm x 19.9mm PC/ABS (WxDxH): 12.96" x 9.53" x 0.83"; 329mm x 242mm x 21.9mm																										
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-7020U</td> <td rowspan="3">2</td> <td rowspan="3">4</td> <td>2.3 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="3">DDR4-2133</td> <td rowspan="3">Intel HD Graphics 620</td> </tr> <tr> <td>i3-7130U</td> <td>2.7 GHz</td> <td>-</td> <td>3MB</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>3MB</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	i3-7130U	2.7 GHz	-	3MB	i5-7200U	2.5 GHz	3.1 GHz	3MB	Weight	Starting at 3.87 lb / 1.75kg		
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																						
i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620																						
i3-7130U			2.7 GHz	-	3MB																								
i5-7200U			2.5 GHz	3.1 GHz	3MB																								
	8th Generation Intel Core i3 / i5 / i7 Processor	Case color	Black or silver																										
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-8130U</td> <td rowspan="2">2</td> <td rowspan="2">4</td> <td>2.2 GHz</td> <td>3.4 GHz</td> <td>4MB</td> <td rowspan="3">DDR4-2400</td> <td rowspan="3">Intel UHD Graphics 620</td> </tr> <tr> <td>i5-8250U</td> <td>1.6 GHz</td> <td>3.4 GHz</td> <td>6MB</td> </tr> <tr> <td>i7-8550U</td> <td>4</td> <td>8</td> <td>1.8 GHz</td> <td>4.0 GHz</td> <td>8MB</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	i5-8250U	1.6 GHz	3.4 GHz	6MB	i7-8550U	4	8	1.8 GHz	4.0 GHz	8MB	Case material	Display cover: Aluminum or PC/ABS plastic; Bottom: PC/ABS plastic
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																						
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620																						
i5-8250U			1.6 GHz	3.4 GHz	6MB																								
i7-8550U	4	8	1.8 GHz	4.0 GHz	8MB																								
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon RX 550 Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz	Smart card reader	None																										
Chipset	Intel SoC (System on Chip) platform	Media reader	MicroSD card reader																										
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller	Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed																										
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio	Camera	HD720p camera, fixed focus																										
Multi-touch	None	Audio support	HD Audio, Conexant® CX11852 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack																										
Storage	Up to 2 drives (one M.2 SSD and one HDD) Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ Some: M.2 SSD / PCIe NVMe	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight																										
Optical	None	UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																										
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS	Security	Power-on password, hard disk password, supervisor password, security keyhole																										
WLAN + Bluetooth™	One of the following, configurable by model: • Realtek® RTL8821CE, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card • Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + Bluetooth 4.1, M.2 Card * Intel 3165ac card supports BT4.2 but is limited to BT4.1 by Windows OS	Security chip (opt)	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified vPro																										
WWAN	None	Fingerprint reader	Optional: Touch style fingerprint reader on the palm rest																										
SIM card	None	NFC	None																										
		Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter																										
		Max battery life	MobileMark® 2014: 13.51 hr * Battery life varies significantly with settings, usage, & other factors																										
		AC adapter	45W or 65W USB Type-C AC adapter																										
		Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64																										
		Limited warranty	1-year depot repair service																										
		Mil-Spec test	MIL-STD-810G military certification																										
		Environment	ENERGY STAR® 6.1; RoHS-compliant																										

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018

ThinkPad E480 - TopSeller - 20KN

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KN0032US	US	i7-8550U	No	AMD RX 550 2GB	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	FW TPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN0033US	US	i7-8550U	No	AMD RX 550 2GB	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Silver	Aluminum	720p	Non-backlit	None	FW TPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN0034US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Silver	Aluminum	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN003SUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN003UUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN003WUS	US	i7-8550U	No	AMD RX 550 2GB	4GBx2	14" FHD (1920x1080) IPS	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	FW TPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN003XUS	US	i5-8250U	No	Intel UHD 620	4GBx2	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN003YUS	US	i5-7200U	No	Intel HD 620	4GBx2	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN0040US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	128GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN0041US	US	i7-8550U	No	AMD RX 550 2GB	8GBx1	14" FHD (1920x1080) IPS	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Silver	Aluminum	720p	Non-backlit	None	FW TPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KN0094US	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	08/18





# ThinkPad E485 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Vega Graphics								Dimensions <i>Aluminum (WxDxH):</i> 12.96" x 9.53" x 0.78"; 329mm x 242mm x 19.9mm <i>PC/ABS (WxDxH):</i> 12.96" x 9.53" x 0.86"; 329mm x 242mm x 21.9mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	L2 Cache	Memory Controller	Processor Graphics		Weight Starting at 3.87 lb / 1.75kg Case color Black Case material <i>Display cover:</i> Aluminum or PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic
	Ryzen 3 2200U	2	4	2.5 GHz	3.4 GHz	1MB	DDR4-2400	Radeon Vega 3 Graphics		
	Ryzen 5 2500U	4	8	2.0 GHz	3.6 GHz	2MB		Radeon Vega 8 Graphics		
Ryzen 7 2700U	2.2 GHz			3.8 GHz	2MB	Radeon RX Vega 10 Graphics				
Graphics	AMD Radeon Vega 3, Vega 8, or RX Vega 10 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz								Smart card reader None Media reader MicroSD card reader Ports Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Chipset	AMD SoC (System on Chip) platform									Camera HD720p camera, fixed focus
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Audio support HD Audio, Conexant® CX11852 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack	
Display	<i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio								Keyboard 6-row, spill-resistant, multimedia Fn keys UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Multi-touch	None								Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Discrete TPM 2.0, TCG Certified	
Storage	<i>Up to 2 drives (one M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe								Fingerprint reader None NFC None	
Optical	None								Battery Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter Max battery life <i>MobileMark® 2014:</i> 9.37 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	
Ethernet	Gigabit Ethernet Connection, Realtek RTL8111GUS								AC adapter 45W or 65W USB Type-C AC adapter	
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • Qualcomm QCNFA435, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek® RTL8821CE, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card								Preload (optional) Windows® 10 Home 64 or Windows 10 Pro 64	
WWAN	None								Limited warranty 1-year depot repair service	
SIM card	None								Mil-Spec test None	
									Environment ENERGY STAR® 6.1; RoHS-compliant	

Note: The specifications above may not be available in all regions.

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July 2018

## ThinkPad E485 - TopSeller - 20KU

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KU0018US	US	AMD Ryzen 3 2200U	AMD Vega 3 Graphics	4GBx1	14" HD (1366x768)	500GB 7200rpm	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20KU0019US	US	AMD Ryzen 3 2200U	AMD Vega 3 Graphics	8GBx1	14" HD (1366x768)	500GB 7200rpm	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20KU001AUS	US	AMD Ryzen 5 2500U	AMD Vega 8 Graphics	8GBx1	14" HD (1366x768)	500GB 7200rpm	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	06/18
20KU001BUS	US	AMD Ryzen 7 2700U	AMD RX Vega 10 Graphics	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20KU001KUS	US	AMD Ryzen 5 2500U	AMD Vega 8 Graphics	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	PC/ABS	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	06/18



# ThinkPad E490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions <i>Aluminum (WxDxH):</i> 12.96" x 9.53" x 0.78"; 329mm x 242mm x 19.9mm <i>PC/ABS (WxDxH):</i> 12.96" x 9.53" x 0.83"; 329mm x 242mm x 21.9mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Weight Starting at 3.87 lb / 1.75kg Case color Black or silver Case material <i>Display cover:</i> Aluminum or PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB				
i7-8565U	1.8 GHz			4.6 GHz	8MB					
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and AMD Radeon RX 550X Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Smart card reader None	
Chipset	Intel SoC (System on Chip) platform								Media reader MicroSD card reader	
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Ports Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Display	Size / Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch	Camera HD720p camera, fixed focus Audio support HD Audio, Conexant® CX11880 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack	
	14.0" HD (1366x768)	Anti-glare	TN	220 nits	16:9	400:1	90°	Non-touch		
	14.0" FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	600:1	170°	Non-touch		
Multi-touch	None								Keyboard 6-row, spill-resistant, multimedia Fn keys, optional LED backlight	
Storage	Up to two drives (one M.2 SSD and one HDD)								UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
	<ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™</li> <li>M.2 SSD / SATA 6.0Gb/s</li> <li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>								Security Power-on password, hard disk password, supervisor password, security keyhole	
Optical	None								Security chip <i>Integrated model:</i> discrete TPM 2.0, TCG Certified <i>Discrete model:</i> firmware TPM 2.0 integrated in chipset	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								vPro None	
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card</li> <li>Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card</li> </ul>								Fingerprint reader <i>Optional:</i> Touch style fingerprint reader on the palm rest	
WWAN	None								NFC None	
									Battery Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
									Max battery life <i>MobileMark® 2014:</i> 13 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	
									AC adapter 45W or 65W USB Type-C AC adapter	
									Preload (optional) Windows® 10 Home 64 or Windows 10 Pro 64	
									Limited warranty 1-year depot repair service	
									Mil-Spec test MIL-STD-810G military certification	
									Environment ENERGY STAR® 7.0; RoHS-compliant	

Note: The specifications above may not be available in all regions.

Lenovo  
January 2018

Model	Region	Country	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	Case Material	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20N8001AUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001BUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001CUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001DUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001EUS	NA	US	i3-8145U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001FUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx2	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001GUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001HUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Silver	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001KUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Silver	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001LUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Aluminum	Silver	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8001MUS	NA	US	i3-8145U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20N8005MUS	NA	US	i3-8145U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/19
20N8005NUS	NA	US	i5-8265U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/19
20N8006RUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N8006SUS	NA	US	i3-8145U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N8006TUS	NA	US	i3-8145U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N8006UUS	NA	US	i5-8265U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N8006VUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx2	14" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N8006WUS	NA	US	i5-8265U	No	Intel UHD 620	4GBx1	14" FHD (1920x1080) IPS	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N8006XUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19

Model	Region	Country	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	Case Material	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20N8006YUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20N80070US	NA	US	i7-8565U	No	Intel UHD 620	8GBx2	14" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	PC/ABS	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19



# ThinkPad E490s Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions	<i>WxDxH:</i> 12.96" x 9.13" x 0.70"; 329mm x 232mm x 17.9mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 3.68 lb / 1.67kg	
	i5-8265U i7-8565U	4	8	1.6 GHz 1.8 GHz	3.9 GHz 4.5 GHz	6MB 8MB	DDR4-2400	Intel UHD Graphics 620	Case color	Black or silver	
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and AMD Radeon RX 540X Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Case material	Aluminum	
									Smart card reader	None	
Chipset	Intel SoC (System on Chip) platform								Media reader	MicroSD card reader	
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Display	Size / Resolution		Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch	Camera	HD720p camera, fixed focus
	14.0" FHD (1920x1080)		Anti-glare	TN	220 nits	16:9	400:1	90°	Non-touch	Audio support	HD Audio, Conexant® CX11880 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack
	14.0" FHD (1920x1080)		Anti-glare	IPS	250 nits	16:9	600:1	170°	Non-touch	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight
Multi-touch	None								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Storage	<i>One of the following, configurable by model:</i> • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2								Security	Power-on password, hard disk password, supervisor password, security keyhole	
Optical	None								Security chip	<i>Integrated model:</i> discrete TPM 2.0, TCG Certified <i>Discrete model:</i> firmware TPM 2.0 integrated in chipset	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								vPro	None	
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card • Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Fingerprint reader	Touch style fingerprint reader on the palm rest	
WWAN	None								NFC	None	
									Battery	Integrated Li-ion 42Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
									Max battery life	<i>MobileMark® 2014:</i> 11.5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	
									AC adapter	45W or 65W USB Type-C AC adapter	
									Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64	
									Limited warranty	1-year depot repair service	
									Mil-Spec test	MIL-STD-810G military certification	
									Environment	EPEAT™ Gold (US only); ENERGY STAR® 7.0; RoHS-compliant	

Note: The specifications above may not be available in all regions.

Lenovo  
March 2019



ThinkPad E490s - TopSeller - 20NG

Product Specifications Reference (PSREF)

Model	Region	Country	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	Bundled Accessories	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20NG000PUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	512GB SSD M.2 2242 PCIe NVMe	Intel 9260 ac, 2x2 + BT5.0	None	None	Black	720p	Backlit	Finger-print Reader	dTPM 2.0	42Wh	65W USB-C	Win10 Pro 64	1-year, Depot	03/19
20NG000QUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 2242 PCIe NVMe	Intel 9260 ac, 2x2 + BT5.0	None	None	Black	720p	Backlit	Finger-print Reader	dTPM 2.0	42Wh	65W USB-C	Win10 Pro 64	1-year, Depot	03/19
20NG000RUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	256GB SSD M.2 2242 PCIe NVMe	Intel 9260 ac, 2x2 + BT5.0	None	None	Black	720p	Backlit	Finger-print Reader	dTPM 2.0	42Wh	65W USB-C	Win10 Pro 64	1-year, Depot	03/19
20NGA000US	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	512GB SSD M.2 2242 PCIe NVMe	Intel 9260 ac, 2x2 + BT5.0	None	None	Black	720p	Backlit	Finger-print Reader	dTPM 2.0	42Wh	65W USB-C	Win10 Pro 64	1-year, Depot	03/19



# ThinkPad E575 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A-Series Processors								Dimensions	<i>WxDxH:</i> 14.92" x 10.28" x 1.00"; 379mm x 261mm x 25.4mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 5.07 lb / 2.3 kg
	A6-9500B	2	4	2.3 GHz	3.2 GHz	2MB	DDR4-1866	R5 Graphics	Case color	Black
	A10-9600P	4	8	2.4 GHz	3.3 GHz	2MB		R5 Graphics	Case material	PC/ABS plastic
A12-9700P	4	8	2.5 GHz	3.4 GHz	2MB	R7 Graphics		Smart card reader	None	
Graphics	AMD Radeon™ R5 Graphics in processor only, or AMD Radeon R5 Graphics in processor and AMD Radeon R5 M430 Graphics, 2GB DDR3 memory; external digital monitor support via HDMI™; supports dual independent display; Max resolution: 1920x1080 (HDMI)@60Hz								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)
									Ports	Two USB 3.0, one USB 2.0 (Always On), VGA, HDMI, Ethernet (RJ-45), combo audio / microphone jack <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Chipset	AMD SoC (System on Chip) platform								Camera (optional)	HD720p camera, fixed focus
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>*System automatically clocks down with 1866MHz DDR4 memory controller</i>								Audio support	HD Audio, Conexant® CX11852 codec, Dolby® Audio™ Premium, stereo speakers, 2W x 2, dual array microphone, combo audio / microphone jack
Display	<i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio								Keyboard	6-row, spill-resistant, multimedia Fn keys
Multi-touch									None	UltraNav™
Storage	<i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable								Security	Power-on password, hard disk password, supervisor password, security keyhole
Optical (optional)									DVD burner, 9.0mm high, removable	Security chip
Ethernet	Gigabit Ethernet Connection, Realtek RTL8111GUS								Fingerprint reader	None
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • QCA, Qualcomm 344A-AC, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • QCA, Qualcomm 435-AC, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter								NFC	None
WWAN									None	Battery
SIM card	None	Max battery life	<i>MobileMark® 2014:</i> 6.5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>							
		AC adapter	45W or 65W slim tip AC adapter							
		Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64							
		Limited warranty	1-year depot repair service							
		Mil-Spec test	None							
		Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant							

Note: The specifications above may not be available in all regions.

Lenovo  
July 2018

# ThinkPad E575 - TopSeller - 20H8

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H8000CUS	US	AMD A10-9600P	AMD R5 M430 2GB	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	41Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000DUS	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	41Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000EUS	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	41Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000FUS	US	AMD A6-9500B	AMD R5 Graphics	8GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	dTPM 2.0	41Wh	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000GUS	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	41Wh	65W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000HUS	US	AMD A6-9500B	AMD R5 Graphics	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	dTPM 2.0	41Wh	45W	Windows 10 Pro 64	1-year, Depot	11/16
20H8000QUS	US	AMD A10-9600P	AMD R5 M430 2GB	8GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	11ac, 1x1 + BT4.1	None	None	Black	720p	Non-backlit	None	FW TPM 2.0	41Wh	65W	Windows 10 Pro 64	1-year, Depot	01/17



# ThinkPad E580 Platform Specifications

Product Specifications Reference (PSREF)

7th Generation Intel® Core™ i3 / i5 Processor or								WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• Realtek® RTL8821CE, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card</li> <li>• Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card</li> <li>• Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + Bluetooth 4.1, M.2 Card</li> <li>* Intel 3165ac card supports BT4.2 but is limited to BT4.1 by Windows OS</li> </ul>
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620		
i3-7130U			2.7 GHz	-	3MB				
i5-7200U			2.5 GHz	3.1 GHz	3MB				
8th Generation Intel Core i3 / i5 / i7 Processor								WWAN SIM card	None
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Dimensions	Weight
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	<i>WxDxH:</i> 14.53" x 9.92" x 0.78";	Starting at 4.7 lb / 2.1kg
i5-8250U			1.6 GHz	3.4 GHz	6MB			Case color	Black or silver
i7-8550U			1.8 GHz	4.0 GHz	8MB			Case material	<i>Display cover:</i> Aluminum; <i>Bottom:</i> PC/ABS plastic
* i3-7130U is NOT available in US and EMEA								Smart card reader	None
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon RX 550 Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz							Media reader	MicroSD card reader
Chipset	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Display	<i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio							Camera	HD720p camera, fixed focus
Multi-touch	None							Audio support	HD Audio, Conexant® CX11852 codec / stereo speakers, 2W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack
Storage	<i>Up to 2 drives (one M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe							Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight
Optical	None							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS							Security	Power-on password, hard disk password, supervisor password, security keyhole
								Security chip (opt)	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified
								vPro	None
								Fingerprint reader	<i>Optional:</i> Touch style fingerprint reader on the palm rest
								NFC	None
								Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
								Max battery life	<i>MobileMark® 2014:</i> 12.23 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
								AC adapter	45W or 65W USB Type-C AC adapter
								Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64
								Limited warranty	1-year depot repair service
								Mil-Spec test	MIL-STD-810G military certification
								Environment	ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018

ThinkPad E580 - TopSeller - 20KS

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KS003LLUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/18
20KS003MUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Silver	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/18
20KS003NUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Silver	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/18
20KS003PUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/18
20KS003QUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS003RUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" HD (1366x768)	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS003SUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS003TUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	128GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS003UUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS003VUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS003WUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	11ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17
20KS0040US	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	11ac, 2x2 + BT4.1	None	None	Silver	Aluminum	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/17





# ThinkPad E585 Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Vega Graphics								Dimensions	<i>WxDxH:</i> 14.53" x 9.92" x 0.79"; 369mm x 252mm x 19.95mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	L2 Cache	Memory Controller	Processor Graphics	Weight	Starting at 4.7 lb / 2.1kg
	Ryzen 3 2200U	2	4	2.5 GHz	3.4 GHz	1MB	DDR4-2400	Radeon Vega 3 Graphics	Case color	Black
	Ryzen 5 2500U	4	8	2.0 GHz	3.6 GHz	2MB		Radeon Vega 8 Graphics	Case material	<i>Display cover:</i> Aluminum; <i>Bottom:</i> PC/ABS plastic
Ryzen 7 2700U	2.2 GHz			3.8 GHz	2MB	Radeon RX Vega 10 Graphics		Smart card reader	None	
Graphics	AMD Radeon Vega 3, Vega 8, or RX Vega 10 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz								Media reader	MicroSD card reader
Chipset	AMD SoC (System on Chip) platform								Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Camera	HD720p camera, fixed focus
Display	<i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio (NOT available in EMEA) <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio								Audio support	HD Audio, Conexant® CX11852 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack
Multi-touch	None								Keyboard	6-row, spill-resistant, multimedia Fn keys
Storage	<i>Up to 2 drives (one M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Optical	None								Security	Power-on password, hard disk password, supervisor password, security keyhole
Ethernet	Gigabit Ethernet Connection, Realtek RTL8111GUS								Security chip	Discrete TPM 2.0, TCG Certified
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • Qualcomm QCNFA435, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek® RTL8821CE, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card								Fingerprint reader	None
WWAN	None								NFC	None
SIM card	None								Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
								Max battery life	<i>MobileMark® 2014:</i> 8.63 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	
								AC adapter	45W or 65W USB Type-C AC adapter	
								Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64	
								Limited warranty	1-year depot repair service	
								Mil-Spec test	None	
								Environment	ENERGY STAR® 6.1; RoHS-compliant	

Note: The specifications above may not be available in all regions.

Lenovo  
July 2018

ThinkPad E585 - TopSeller - 20KV

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Color	Case Material	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KV000WUS	US	AMD Ryzen 5 2500U	AMD Vega 8 Graphics	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	06/18
20KV000XUS	US	AMD Ryzen 3 2200U	AMD Vega 3 Graphics	4GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20KV000YUS	US	AMD Ryzen 7 2700U	AMD RX Vega 10 Graphics	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe Opal2	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20KV0010US	US	AMD Ryzen 3 2200U	AMD Vega 3 Graphics	8GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	07/18
20KV0011US	US	AMD Ryzen 5 2500U	AMD Vega 8 Graphics	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	RTL8822BE ac, 2x2 + BT4.1	None	None	Black	Aluminum	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	06/18



# ThinkPad E590 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	WxDxH: 14.53" x 9.94" x 0.78"; 369mm x 252.5mm x 19.9mm		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 4.68 lb / 2.12 kg		
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Case color	Black or silver		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB			Case material	Display cover: Aluminum; Bottom: PC/ABS plastic		
i7-8565U	1.8 GHz			4.6 GHz	8MB	Smart card reader			None			
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and AMD Radeon RX 550X Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Media reader	MicroSD card reader		
Chipset	Intel SoC (System on Chip) platform								Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>		
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Camera	HD720p camera, fixed focus		
Display	Size / Resolution		Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch	Audio support	HD Audio, Conexant® CX11880 codec / stereo speakers, 2W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack	
	15.6" HD (1366x768)		Anti-glare	TN	220 nits	16:9	400:1	90°	Non-touch	Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight	
	15.6" FHD (1920x1080)		Anti-glare	IPS	250 nits	16:9	600:1	170°	Non-touch	UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Multi-touch	None								Security chip	Power-on password, hard disk password, supervisor password, security keyhole <i>Integrated model:</i> discrete TPM 2.0, TCG Certified <i>Discrete model:</i> firmware TPM 2.0 integrated in chipset		
Storage	Up to two drives (one M.2 SSD and one HDD)								vPro	None		
	<ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™</li> <li>M.2 SSD / SATA 6.0Gb/s</li> <li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>								Fingerprint reader	<i>Optional:</i> Touch style fingerprint reader on the palm rest		
Optical	None								NFC	None		
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter		
WLAN + Bluetooth™	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card</li> <li>Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card</li> </ul>								Max battery life	<i>MobileMark® 2014:</i> 11 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>		
WWAN	None								AC adapter	45W or 65W USB Type-C AC adapter		
								Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64			
								Limited warranty	1-year depot repair service			
								Mil-Spec test	MIL-STD-810G military certification			
								Environment	ENERGY STAR® 7.0; RoHS-compliant			

Note: The specifications above may not be available in all regions.

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Model	Region	Country	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20NB001CUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001DUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Silver	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001EUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx2	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001FUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001HUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001JUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001KUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001LUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Silver	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001MUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx2	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001NUS	NA	US	i3-8145U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001PUS	NA	US	i3-8145U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001QUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	128GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001RUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	256GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Silver	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001SUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx2	15.6" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB001TUS	NA	US	i7-8565U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	12/18
20NB004UUS	NA	US	i3-8145U	No	Intel UHD 620	4GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/19
20NB005EUS	NA	US	i5-8265U	No	Intel UHD 620	4GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	Finger-print Reader	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	01/19
20NB005JUS	US	US	i5-8265U	No	Intel UHD 620	8GBx2	15.6" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20NB005KUS	US	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	512GB SSD M.2 PCIe NVMe	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20NB005LUS	US	US	i3-8145U	No	Intel UHD 620	4GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19

Model	Region	Country	Processor	vPro	Graphics	Memory	Display	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	Color	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20NB005MUS	US	US	i5-8265U	No	Intel UHD 620	4GBx1	15.6" HD (1366x768)	500GB 7200rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20NB005NUS	US	US	i3-8145U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20NB005PUS	US	US	i5-8265U	No	Intel UHD 620	4GBx1	15.6" FHD (1920x1080) IPS	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20NB005QUS	US	US	i7-8565U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19
20NB005RUS	US	US	i5-8265U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	1TB 5400rpm	None	Intel 9260 ac, 2x2 + BT5.0	None	Black	720p	Non-backlit	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/19



# ThinkPad L380 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor, 7th Generation Intel Core™ i3 / i5 Processor or							Dimensions	<i>WxDxH:</i> 12.67" x 8.83" x 0.74"; 321.8mm x 224.2mm x 18.8mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight Starting at 3.22 lb / 1.46 kg
	Cel 3965U	2	2	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	Case color Black or Silver
	i3-7130U		4	2.7 GHz	-	3MB		Intel HD Graphics 620	Case material <i>Display cover:</i> Aluminum
	i5-7200U			2.5 GHz	3.1 GHz	3MB			<i>Bottom:</i> GFRP
	8th Generation Intel Core i5 / i7 Processor							Smart card reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader MicroSD card reader
	i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Ports Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet extension connector, headphone / microphone combo jack, microSD card reader, security keyhole
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB		* <i>Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
	i5-8350U			1.7 GHz	3.6 GHz	6MB		<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter	
	i7-8550U			1.8 GHz	4.0 GHz	8MB		<i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter	
Graphics	Intel HD Graphics 610, 620 or Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Monitor cable (optional)	
Chipset	Intel SoC (System on Chip) platform							Camera	HD720p camera, fixed focus
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							Audio support	HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ / dual array microphone, headphone / microphone combo jack
Display	Some: 13.3" (338mm) HD (1366x768), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle, on-cell touch							Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight
Multi-touch (opt)	on-cell touch, supports 10-finger gesture							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch
Storage	One of the following, configurable by model: • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)							Security	Power-on password, hard disk password, supervisor password, security keyhole
Optical	None							Security chip	Discrete TPM 2.0, TCG Certified
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable							vPro (optional)	Intel vPro Technology
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS							Fingerprint reader	Optional: Touch style fingerprint reader on the keyboard bezel, anti-spoofing technology
WWAN	None							NFC (optional)	Near Field Communication
								Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
								Max battery life	MobileMark® 2014: 16.1 hr * Battery life varies significantly with settings, usage, & other factors
								AC adapter	45W or 65W USB Type-C AC adapter
								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
								Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
								Mil-Spec test	MIL-STD-810G military certification
								Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

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ThinkPad L380 - TopSeller - 20M5

Model	Region	Processor	vPro	Graphics	Memory	Display(Size, Resolution, Type)	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Monitor Cable	Adapter	Color	Camera	Keyboard	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20M5000FUS	US	i5-8250U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS 250nits AG	On-cell Touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Silver	720p	Backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	02/18
20M5000GUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS 250nits AG	On-cell Touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	02/18
20M5000HUS	US	i5-8250U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768) 250nits AG	None	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	02/18
20M5000KUS	US	i5-8250U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768) 250nits AG	None	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Silver	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	02/18
20M5000LUS	US	i5-7200U	No	Intel HD 620	8GBx1	13.3" HD (1366x768) 250nits AG	None	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	02/18
20M5000NUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS 250nits AG	On-cell Touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Silver	720p	Backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	02/18
20M5000QUS	US	i5-8250U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS 250nits AG	On-cell Touch	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	02/18
20M5000RUS	US	Celeron 3965U	No	Intel HD 610	4GBx1	13.3" HD (1366x768) 250nits AG	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	02/18
20M5000SUS	US	i5-8250U	No	Intel UHD 620	8GBx1	13.3" HD (1366x768) 250nits AG	None	256GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	02/18
20M5003UUS	US	i3-8130U	No	Intel UHD 620	4GBx1	13.3" FHD (1920x1080) IPS 250nits AG	On-cell Touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	04/18
20M5003VUS	US	i3-8130U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768) 250nits AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	04/18
20M5003WUS	US	i3-8130U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768) 250nits AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Silver	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	04/18
20M5003YUS	US	i3-8130U	No	Intel UHD 620	8GBx1	13.3" HD (1366x768) 250nits AG	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Silver	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	05/18
20M50040US	US	i5-8250U	No	Intel UHD 620	8GBx1	13.3" HD (1366x768) 250nits AG	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	05/18
20M50041US	US	i3-8130U	No	Intel UHD 620	8GBx1	13.3" HD (1366x768) 250nits AG	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	05/18
20M50049US	US	Celeron 3965U	No	Intel HD 610	4GBx1	13.3" HD (1366x768) 250nits AG	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	08/18



# ThinkPad L390 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Smart card reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	MicroSD card reader
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Ports	Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet extension connector, headphone / microphone combo jack, microSD card reader, security keyhole
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB			Monitor cable (optional)	USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to VGA + Power Adapter: Lenovo USB-C to VGA plus Power Adapter USB-C to HDMI: Lenovo USB-C to HDMI Adapter USB-C to HDMI + Power Adapter: Lenovo USB-C to HDMI plus Power Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter USB-C to RJ45: Lenovo USB-C to Ethernet Adapter USB-C to USB-A: Lenovo USB-C to USB-A Adapter USB-C to USB-C: Lenovo USB-C to USB-C Cable 2M
i7-8565U	1.8 GHz			4.6 GHz	8MB	Graphics			Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)	
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								Bundled Accessories (optional)	None
Display	Size	Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Camera	HD720p camera, fixed focus
	13.3"	HD (1366x768)	Anti-glare	TN	250 nits	16:9	500:1	90°	Audio support	HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack
	13.3"	FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	700:1 (non-touch) 800:1 (multi-touch)	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch
Storage	One of the following, configurable by model: <ul style="list-style-type: none"> <li>M.2 SSD / SATA 6.0Gb/s</li> <li>M.2 (2242) SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>M.2 (2280) SSD / PCIe NVMe, PCIe 3.0 x 4</li> </ul>								Security	Power-on password, hard disk password, supervisor password, security keyhole
Optical	None								Security chip	Discrete TPM 2.0, TCG Certified
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable or Lenovo USB-C to Ethernet Adapter								vPro	None
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Fingerprint reader	Optional: Touch style fingerprint reader on the palm rest
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								NFC (optional)	Near Field Communication
WWAN	None								Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Dimensions	WxDxH: 12.67" x 8.83" x 0.74"; 321.8mm x 224.2mm x 18.8mm								Max battery life	MobileMark® 2014: 14.61 hr * Battery life varies significantly with settings, usage, & other factors
Weight	Starting at 3.22 lb / 1.46 kg								AC adapter	45W or 65W USB Type-C AC adapter
Case color	Black or Silver								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
Case material	Display cover: Aluminum Bottom: GFRP								Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>
									Mil-Spec test	MIL-STD-810G military certification
									Environment	ENERGY STAR® 7.0; RoHS-compliant

Note: The specifications above may not be available in all regions.

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January 2018

Model	Region	Country	Processor	vPro	Graphics	Memory	Display(Size, Resolution, Type)	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Monitor Cable	Bundled Accessories	Color	Camera	Keyboard	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20NR0009US	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS	On-cell Touch	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	12/18
20NR000AUS	NA	US	i5-8265U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768)	None	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Silver	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	12/18
20NR000BUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS	On-cell Touch	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	12/18
20NR000CUS	NA	US	i3-8145U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	12/18
20NR000DUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS	None	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	12/18
20NR000EUS	NA	US	i3-8145U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2 (2242) PCIe NVMe	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	12/18
20NR000FUS	NA	US	i5-8265U	No	Intel UHD 620	8GBx1	13.3" FHD (1920x1080) IPS	On-cell Touch	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	3-year, Depot	12/18
20NR000GUS	NA	US	i5-8265U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768)	None	256GB SSD M.2 (2280) PCIe NVMe Opal2	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Black	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	12/18
20NR000HUS	NA	US	i3-8145U	No	Intel UHD 620	4GBx1	13.3" HD (1366x768)	None	128GB SSD M.2 (2242) PCIe NVMe	None	Intel 9560 ac, 2x2 + BT5.0	None	None	Silver	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Windows 10 Pro 64	1-year, Depot	12/18



# ThinkPad L470 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 / i7 Processor or								WWAN (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul> SIM card (opt) Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	
	i3-6100U			2.3 GHz	-	3MB			
	i5-6200U			2.3 GHz	2.8 GHz	3MB			
	i5-6300U			2.4 GHz	3.0 GHz	3MB			
	Intel Celeron® Processor or 7th Generation Intel Core i3 / i5 / i7 Processor								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	Cel 3965U	2	4	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	
	i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620	
	i5-7200U			2.5 GHz	3.1 GHz	3MB			
	i5-7300U			2.6 GHz	3.5 GHz	3MB			
	i7-7500U			2.7 GHz	3.5 GHz	4MB			
	i7-7600U			2.8 GHz	3.9 GHz	4MB			
* i7 processor is NOT available in EMEA									
Graphics	Intel HD Graphics 610 or 620 in processor only, or Intel HD Graphics 620 in processor and AMD Radeon™ R5 M430, 2GB memory; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)								
Chipset	Intel SoC (System on Chip) platform								
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller								
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle								
Multi-touch	None								
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								
Optical	None								
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								
WLAN	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul>								
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8260ac / 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS								
Camera (optional)	HD720p resolution, fixed focus								
Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack								
Keyboard	6-row, spill-resistant, multimedia Fn keys								
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad								
Security	Power-on password, hard disk password, supervisor password, security keyhole								
Security chip	Discrete TPM 2.0, TCG Certified								
vPro (optional)	Intel vPro Technology								
Fingerprint reader	Optional: Swipe style fingerprint reader on the keyboard bezel								
NFC	None								
Battery	Li-ion 3-cell (24Wh) or 6-cell (48Wh or 72Wh)								
Max battery life <sup>10</sup> (MobileMark® 2014)	Models	3-cell	6-cell 48Wh	6-cell 72Wh					
	Integrated model	7.24 hr	14.48 hr	21.72 hr					
	Discrete model	4.34 hr	8.68 hr	13.02 hr					
* Battery life varies significantly with settings, usage, & other factors									
AC adapter	45W or 65W slim tip AC adapter								
Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64				Some: Windows 10 Home 64 Some: Windows 10 Pro 64				
	<ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo PowerEngage</li> <li>ThinkVantage Product Recovery</li> <li>ThinkVantage System Update</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul>				<ul style="list-style-type: none"> <li>Lenovo Companion</li> <li>Lenovo Setting</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul>				
Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>								
Mil-Spec test	MIL-STD-810G military certification								
Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant								

Note: The specifications above may not be available in all regions.

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September 2018

ThinkPad L470 - TopSeller - 20J4

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J4000RUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20J4000SUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20J4000TUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20J4000UUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20J40012US	US	i3-7100U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20J40013US	US	i5-7200U	No	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20J40014US	US	i5-7300U	vPro	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20J40015US	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20J40016US	US	i5-7200U	No	Intel HD 620	8GB	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20J4003EUS	US	i5-7200U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20J4003FUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20J4003GUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17

ThinkPad L470 - TopSeller - 20JU

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Keyboard	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JU0008US	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU0009US	US	i5-6200U	No	Intel HD 520	8GB	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000AUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" FHD (1920x1080) IPS	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000BUS	US	i5-6200U	No	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000CUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000DUS	US	i5-6200U	No	Intel HD 520	8GB	14" HD (1366x768)	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000EUS	US	i5-6200U	No	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000FUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000QUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000RUS	US	i5-6200U	No	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JU000WUS	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	05/17
20JU0018US	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	05/17
20JU0019US	US	i5-6300U	vPro	Intel HD 520	4GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	05/17





# ThinkPad L480 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i3 / i5 Processor or								WWAN (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card</li> </ul> * For non-WWAN model, it means the model is NOT WWAN upgradable Nano-SIM card slot, optional Verizon LTE (US) SIM card
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	
	i5-7200U			2.5 GHz	3.1 GHz	3MB			
	i5-7300U			2.6 GHz	3.5 GHz	3MB			
	8th Generation Intel Core i3 / i5 / i7 Processor								SIM card (opt)
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	
	i5-8250U			1.6 GHz	3.4 GHz	6MB			
	i5-8350U			4	8	1.7 GHz			3.6 GHz
	i7-8550U	1.8 GHz	4.0 GHz			8MB			
	* i3-7130U is NOT available in US and EMEA								Dimensions Weight Case color Case material
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon 530, 2GB GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								
Chipset	Intel SoC (System on Chip) platform								Smart card reader Media reader Ports
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller								
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle								Camera (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>HD720p camera, fixed focus</li> <li>IR camera and HD720p camera, fixed focus</li> </ul> Audio support HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ / dual array microphone, headphone / microphone combo jack
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								Keyboard UltraNav™
Optical	None								
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								Security Security chip vPro (optional) Fingerprint reader
WLAN + Bluetooth™ (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only)</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card</li> </ul> * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS								
									Battery Max battery life AC adapter
									Preload Limited warranty
									Mil-Spec test Environment

Note: The specifications above may not be available in all regions.

ThinkPad L480 - TopSeller - 20LS

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Keyboard	Fingerprint Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20LS0000US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0001US	US	i5-7300U	vPro	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20LS0002US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0003US	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0004US	US	i5-8250U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0005US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0006US	US	i3-7130U	No	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	05/18
20LS0007US	US	i5-8350U	vPro	Intel UHD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20LS0008US	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0009US	US	i5-8250U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20LS000UUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	IR & 720p	Backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LS0020US	US	i5-8250U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20LS0021US	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20LS002GUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	05/18
20LS002VUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Fingerprint Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	08/18



# ThinkPad L570 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 / i7 Processor or								WWAN (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul> SIM card (opt) Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	
	i3-6100U			2.3 GHz	-	3MB			
	i5-6200U			2.3 GHz	2.8 GHz	3MB			
	i5-6300U			2.4 GHz	3.0 GHz	3MB			
	i7-6500U			2.5 GHz	3.1 GHz	4MB			
	i7-6600U			2.6 GHz	3.4 GHz	4MB			
	Intel Celeron® Processor or 7th Generation Intel Core i3 / i5 / i7 Processor								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	Cel 3965U	2	4	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	
	i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620	
	i5-7200U			2.5 GHz	3.1 GHz	3MB			
	i5-7300U			2.6 GHz	3.5 GHz	3MB			
	i7-7500U			2.7 GHz	3.5 GHz	4MB			
	i7-7600U			2.8 GHz	3.9 GHz	4MB			
	<i>* i7 processor is NOT available in EMEA</i>								
Graphics	Intel HD Graphics 520, 610, or 620 in processor only; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)								
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>								
Display	<i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 350:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle								
Multi-touch	None								
Storage	<i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								
Optical (optional)	DVD-ROM or DVD burner, 9mm high, fixed, not removable, tray-in								
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								
WLAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card (US only)</li> <li>Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul> Bluetooth™ 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8260ac / 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>								
Bluetooth™									
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad								
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad								
Security chip	Power-on password, hard disk password, supervisor password, security keyhole								
vPro (optional)	Discrete TPM 2.0, TCG Certified								
Fingerprint reader	Intel vPro Technology								
NFC	<i>Optional:</i> Swipe style fingerprint reader on the palm rest								
Battery	Li-ion 6-cell (48Wh)								
Max battery life	MobileMark® 2014: 14.8 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>								
AC adapter	45W slim tip AC adapter								
Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64								
Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>								
Mil-Spec test	MIL-STD-810G military certification								
Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant								

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018

ThinkPad L570 - TopSeller - 20J8

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	ExpressCard	Monitor Cable	Camera	Key-board	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20J8000WUS	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J8000XUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J8000YUS	US	i5-7300U	vPro	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80010US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80011US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80012US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	128GB SSD	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80013US	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80014US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80015US	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80016US	US	i3-7100U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J80017US	US	i5-7300U	vPro	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20J8002EUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	ExpressCard / 34	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20J8002FUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20J8002GUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20J8002LUS	US	i7-7500U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17
20J8002MUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	Finger-print Reader	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17

ThinkPad L570 - TopSeller - 20JQ

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	ExpressCard	Monitor Cable	Camera	Key-board	Finger-print Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JQ000UUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	06/17
20JQ000VUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	06/17
20JQ000WUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JQ000XUS	US	i3-6006U	No	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	06/17
20JQ000YUS	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JQ0010US	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JQ0011US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	DVD±RW	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	ExpressCard / 34	None	720p	Non-backlit	None	dTPM 2.0	6-cell (48Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	06/17





# ThinkPad L580 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor, 7th Generation Intel Core™ i3 / i5 Processor or							WWAN (optional) <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card</li> </ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i> SIM card (opt) Nano-SIM card slot, optional Verizon LTE (US) SIM card
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	
	Cel 3965U	2	2	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610
	i3-7130U		2.7 GHz	-	3MB	Intel HD Graphics 620		
	i5-7200U	4	4	2.5 GHz	3.1 GHz	3MB		
	i5-7300U		2.6 GHz	3.5 GHz	3MB			
	8th Generation Intel Core i3 / i5 / i7 Processor							
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
	i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB		
	i5-8350U			1.7 GHz	3.6 GHz	6MB		
	i7-8550U	1.8 GHz	4.0 GHz	8MB				
	<i>* i3-7130U is NOT available in US and EMEA</i>							
Graphics	Intel HD Graphics 610, 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon 530, 2GB GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Monitor cable (optional) HD720p camera, fixed focus Audio support HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ / dual array microphone, headphone / microphone combo jack
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>							Keyboard UltraNav™ 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Display	<i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle							Security Security chip vPro (optional) Intel vPro Technology Fingerprint reader <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology
Multi-touch	None							NFC (optional) Near Field Communication
Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN							Battery Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter Max battery life <i>MobileMark® 2014:</i> 12 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i> AC adapter 45W or 65W USB Type-C AC adapter
Optical	None							Preload Windows® 10 Home 64 or Windows 10 Pro 64
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							Limited warranty <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>
WLAN + Bluetooth™ (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only)</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card</li> </ul> <i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>							Mil-Spec test MIL-STD-810G military certification
								Environment EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018

ThinkPad L580 - TopSeller - 20LW

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20LW0000US	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LW0001US	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LW0002US	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LW0003US	US	i5-7300U	vPro	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20LW0004US	US	i5-8250U	No	Intel UHD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20LW0005US	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LW0006US	US	i5-8350U	vPro	Intel UHD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20LW0007US	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" HD (1366x768)	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LW0008US	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LW0009US	US	i3-7130U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	05/18
20LW002HUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20LW002JUS	US	i5-8250U	No	Intel UHD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Non-backlit	None	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20LW003DUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	1-year, Depot	05/18
20LW003NUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	45Wh	65W USB-C	Win10 Pro 64	3-year, Depot	08/18



# ThinkPad P1 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor or Intel Xeon® E Processor								Smart card reader ExpressCard Media reader Ports	<i>Optional:</i> Smart card reader None SD Card reader (SD, SDHC, SDXC), supports UHS-II SD card Two USB 3.1 Gen 1 (one Always On), two USB Type-C / Thunderbolt 3, HDMI 2.0, Ethernet extension connector, headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
	i5-8400H	4	8	2.5 GHz	4.2 GHz	8MB	DDR4-2666	Intel UHD Graphics 630		
	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB				
	i7-8850H			2.6 GHz	4.3 GHz	9MB				
E-2176M	2.7 GHz			4.4 GHz	12MB					
Graphics	Intel UHD Graphics 630 in processor and NVIDIA® Quadro® P1000 (4GB memory) or P2000 (4GB memory); supports external digital monitor via HDMI or Thunderbolt™; supports four independent displays; Max resolution: 5120x2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)								Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
Chipset Memory	Mobile Intel CM246 Chipset 64GB max / 2666MHz DDR4. ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, two DDR4 SO-DIMM sockets								Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle <i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 400 nits, 16:9 aspect ratio, 1200:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch, anti-reflection (AR)								Audio support	HD Audio, Realtek® ALC3286 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack, Dolby Atmos® headphone
Multi-touch (opt) Pen	Capacitive-type multi-touch, supports 10-finger gesture (4K only) Supports pen accessory, please see the accessory compatibility for details								Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, LED backlight TrackPoint® pointing device and buttonless glass surface multi-touch touchpad
Storage	Up to 2 drives (two M.2 SSD) M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s								Security Security chip vPro (optional)	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology
RAID (optional) Optical	RAID 0/1 support None								Fingerprint reader Color calibration NFC	Touch style match on chip fingerprint reader on the keyboard bezel None None
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable								Battery	Integrated Li-ion 80Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
WLAN Bluetooth™	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Max battery life (MobileMark 2014)	Discrete mode: 7.36 hr; Hybrid mode: 13.87 hr * Battery life varies significantly with settings, usage, & other factors
WWAN SIM card	None None								AC adapter	135W slim tip AC adapter
Dimensions	<i>WxDxH (non-touch):</i> 14.24" x 9.67" x 0.72"; 361.8mm x 245.7mm x 18.4mm <i>WxDxH (multi-touch):</i> 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm								Preload	One of the following, configurable by model: • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations
Weight	<i>Non-touch model:</i> starting at 3.76 lb (1.7 kg); <i>Multi-touch model:</i> starting at 4.06 lb (1.8 kg)								Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
Case color Case material	Black <i>Display cover:</i> CFRP/GFRP hybrid; <i>Bottom:</i> Aluminum alloy								Mil-Spec test	MIL-STD-810G military certification
									Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
March 2019

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Storage (HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Adapter	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20MD001UUS	US	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD001VUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD001WUS	US	i5-8400H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD001XUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD001YUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD0020US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0021US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	32GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	2TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0022US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0023US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	32GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0024US	US	i5-8400H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0025US	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	32GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD0026US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0027US	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD0028US	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD0029US	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002AUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002BUS	US	i5-8400H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002CUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002DUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002EUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	32GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18

Model	Region	Processor	Pro	Graphics	Chipset	Memory	Display	Multi-touch	Storage (HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Adapter	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20MD002FUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002GUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	32GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002HUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD002JUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002KUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002LUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	32GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	2TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD002MUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	08/18
20MD002NUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD002PUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MD003MUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	10/18
20MD003NUS	US	i5-8400H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	10/18
20MD003PUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	10/18
20MD003QUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	10/18
20MD003RUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	10/18
20MD003XUS	US	i5-8400H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	12/18
20MD003YUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	12/18
20MD0049US	US	i7-8750H	No	P1000 4GB	Intel CM246	32GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Ethernet Extension Cable	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	04/19



# ThinkPad P51 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th or 7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 or v6 Family							Dimensions	<i>WxDxH:</i> 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm <i>WxDxH(Touch):</i> 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm											
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	<table border="1"> <thead> <tr> <th>Models</th> <th>4-cell</th> <th>6-cell</th> </tr> </thead> <tbody> <tr> <td>Non-touch</td> <td>5.6 lb / 2.55kg</td> <td>5.9 lb / 2.67kg</td> </tr> <tr> <td>Multi-touch</td> <td>6.2 lb / 2.82kg</td> <td>6.4 lb / 2.90kg</td> </tr> </tbody> </table>			Models	4-cell	6-cell	Non-touch	5.6 lb / 2.55kg	5.9 lb / 2.67kg	Multi-touch	6.2 lb / 2.82kg
Models	4-cell	6-cell																		
Non-touch	5.6 lb / 2.55kg	5.9 lb / 2.67kg																		
Multi-touch	6.2 lb / 2.82kg	6.4 lb / 2.90kg																		
	i7-6820HQ	4	8	2.7 GHz	3.6 GHz	8MB	DDR4-2133	Intel HD Graphics 530	Case color	Black										
	E3-1505M v5			2.8 GHz	3.7 GHz			Intel HD Graphics P530	Case material	<i>Display cover:</i> Glass-Fiber Reinforced Plastic; <i>Bottom:</i> Magnesium/Aluminum										
	i7-7700HQ			2.8 GHz	3.8 GHz			6MB	DDR4-2400	Intel HD Graphics 630	Smart card reader	<i>Optional:</i> Smart card reader								
	i7-7820HQ			2.9 GHz	3.9 GHz	8MB	Intel HD Graphics P630	ExpressCard		One slot (ExpressCard/34)										
	E3-1505M v6			3.0 GHz	4.0 GHz		Intel HD Graphics P630	Media reader		4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card										
	E3-1535M v6			3.1 GHz	4.2 GHz	Ports	Four USB 3.1 Gen 1 (USB 3.0, one Always On), USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>													
Graphics	Intel HD Graphics 530, 630, P530, or P630 in processor and NVIDIA Quadro® M1200 or M2200, 4GB memory; supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)							Camera ( <i>optional</i> )	HD720p resolution, fixed focus											
Chipset	Mobile Intel CM238 Chipset							Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack											
Memory	64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>							Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight											
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle <i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 170° viewing angle							UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad											
Multi-touch ( <i>opt</i> )	Capacitive-type multi-touch, supports 10-finger gesture, 220 nits (FHD only)							Security	Power-on password, hard disk password, supervisor password, security keyhole											
Pen ( <i>optional</i> )	ThinkPad Pen Pro, active pen for multi-touch display							Security chip	Discrete TPM 2.0, TCG Certified											
Storage	<i>Up to 3 drives (two M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s							vPro ( <i>optional</i> )	Intel vPro Technology											
RAID ( <i>optional</i> )	RAID 0/1 support							Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest											
Optical	None							Color calibration	<i>Optional:</i> Pantone® color calibrator by X-Rite® color calibration sensor in palm rest											
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							NFC	None											
WLAN	<i>One of the following, configurable by model:</i> • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card							Battery	Lithium Polymer 4-cell (66Wh) or 6-cell (90Wh)											
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8260ac / 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>							Max battery life <sup>10</sup> ( <i>MobileMark® 2014</i> )	<table border="1"> <thead> <tr> <th>Model</th> <th>4-cell</th> <th>6-cell</th> </tr> </thead> <tbody> <tr> <td>Discrete Graphics</td> <td>4.5 hr</td> <td>6.1 hr</td> </tr> <tr> <td>Hybrid Graphics</td> <td>6.5 hr</td> <td>8.9 hr</td> </tr> </tbody> </table>			Model	4-cell	6-cell	Discrete Graphics	4.5 hr	6.1 hr	Hybrid Graphics	6.5 hr	8.9 hr
Model	4-cell	6-cell																		
Discrete Graphics	4.5 hr	6.1 hr																		
Hybrid Graphics	6.5 hr	8.9 hr																		
WWAN ( <i>optional</i> )	<i>One of the following, configurable by model:</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card							<i>* Battery life varies significantly with settings, usage, &amp; other factors</i>												
SIM card ( <i>opt</i> )	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							AC adapter	170W slim tip AC adapter											
								Preload	<i>One of the following, configurable by model:</i> • Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations											
								Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service											
								Mil-Spec test	MIL-STD-810G military certification											
								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant											

Note: The specifications above may not be available in all regions.

Lenovo  
September 2018



Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20HH0004US	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0005US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0006US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0007US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0008US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0009US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000AUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000BUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000CUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000DUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000EUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000FUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000GUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000HUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000JUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000KUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000LUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000MUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000NUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000PUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000QUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000RUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000SUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20HH000TUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000UUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000VUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000WUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000XUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH000YUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0010US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0011US	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0012US	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH0013US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HH002LUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HH002MUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HH002NUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HH002PUS	US	i7-7820HQ	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HH002QUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HH003AUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	11/17
20HH003BUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	11/17
20HH003CUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	11/17
20HH003DUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	11/17
20HH003EUS	US	i7-7820HQ	vPro	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	11/17
20HH003FUS	US	i7-7700HQ	No	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Non-backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	11/17
20HH003VUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH003WUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20HH003XUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH003YUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0040US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0041US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0042US	US	Xeon E3-1535M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0043US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0044US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0045US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0046US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0047US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0048US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HH0049US	US	Xeon E3-1505M v6	vPro	M2200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18

ThinkPad P51 - TopSeller - 20MM

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20MM0000US	US	i7-6820HQ	vPro	M2200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/18
20MM0001US	US	Xeon E3-1505M v5	vPro	M2200 4GB	Intel CM238	16GBx1 ECC	15.6" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	X-Rite	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 for WS DG Win7 Pro 64	3-year, Depot	06/18
20MM0002US	US	Xeon E3-1505M v5	vPro	M2200 4GB	Intel CM238	16GBx1 ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 for WS DG Win7 Pro 64	3-year, Depot	06/18
20MM0003US	US	i7-6820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/18
20MM0004US	US	i7-6820HQ	vPro	M1200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/18
20MM0005US	US	i7-6820HQ	vPro	M1200 4GB	Intel CM238	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/18
20MM0006US	US	Xeon E3-1505M v5	vPro	M2200 4GB	Intel CM238	16GBx1 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 for WS DG Win7 Pro 64	3-year, Depot	06/18
20MM0007US	US	i7-6820HQ	vPro	M2200 4GB	Intel CM238	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 8260 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/18



# ThinkPad P51s Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i7 Processor							Dimensions	WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Models		4 + 3-cell		6-cell		4 + 6-cell	
	i7-6500U	2	4	2.5 GHz	3.1 GHz	4MB	DDR4-2133	Intel HD Graphics 520		Non-touch model	4.39 lb / 1.99 kg		4.80 lb / 2.18 kg		4.80 lb / 2.18 kg		
	i7-6600U			2.6 GHz	3.4 GHz	4MB			Multi-touch model	4.44 lb / 2.01 kg		4.85 lb / 2.20 kg		4.85 lb / 2.20 kg			
	or 7th Generation Intel Core i5 / i7 Processor							Case color	Black								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Case material	Display cover: Glass-Fiber Reinforced Plastic (PPS); Bottom: Glass-Fiber Reinforced Plastic							
	i5-7300U	2	4	2.6 GHz	3.5 GHz	3MB	DDR4-2133	Intel HD Graphics 620	Smart card reader	Optional: Smart card reader							
	i7-7500U			2.7 GHz	3.5 GHz	4MB			Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I							
	i7-7600U			2.8 GHz	3.9 GHz	4MB			Ports	Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector							
Graphics	Intel HD Graphics 520 or 620 in processor and NVIDIA Quadro® M520, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 3840x2160@30Hz (HDMI)							WiGig dock (opt)	* Depending on many factors, actual data transfer speed may be lower than theoretical speed ThinkPad WiGig dock								
Chipset	Intel SoC (System on Chip) platform							Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter								
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							USB-C to VGA:	Lenovo USB-C to VGA Adapter								
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle							Camera (optional)	720p: HD720p resolution, fixed focus IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)								
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)							Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack								
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig							Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight								
Optical	None							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad								
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)							Security	Power-on password, hard disk password, supervisor password, security keyhole								
WLAN	One of the following, configurable by model (WiGig can coexist with WWAN): • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card							Security chip vPro (optional)	Discrete TPM 2.0, TCG Certified								
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS							Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest								
WWAN (optional)	One of the following, configurable by model (WWAN can coexist with WiGig): • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)							NFC (optional)	Near Field Communication								
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							Internal battery	Optional: Integrated Li-Polymer 4-cell (32Wh)								
								External battery	Li-Polymer 3-cell (24Wh) or Li-ion 6-cell (48Wh or 72Wh)								
								Max battery life (MobileMark® 2014)	Models	4 + 3-cell	6-cell 48Wh	6-cell 72Wh	4 + 6-cell 48Wh	4 + 6-cell 72Wh			
									Max battery life	13.8 hr	12.5 hr	18.5 hr	20.0 hr	26.8 hr			
									* Battery life varies significantly with settings, usage, & other factors								
								AC adapter	65W slim tip AC adapter or 65W USB Type-C AC adapter								
								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64	Some: Windows 10 Home 64 Some: Windows 10 Pro 64							
									• Lenovo Solution Center	• Lenovo Companion							
									• Lenovo PowerEngage	• Lenovo Setting							
									• ThinkVantage Product Recovery	• Microsoft Office preloaded; purchase a product key to activate							
									• ThinkVantage System Update								
									• Adobe® Reader®								
									• Microsoft® Office preloaded; purchase a product key to activate								
									• McAfee® LiveSafe™ (30-day trial)								
								Limited warranty	One of the following, configurable by model:								
									• 1-year depot repair service								
									• 3-year/1-yr battery depot repair service								
									• 3-year/1-yr battery limited onsite service								
								Mil-Spec test	MIL-STD-810G military certification								
								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant								



Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HB0004US	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HB000AUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HB000WUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB000XUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB000YUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" 4K (3840x2160) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0010US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0011US	US	i7-7600U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0012US	US	i7-7600U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0013US	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" 4K (3840x2160) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0014US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0015US	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HB0016US	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0017US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 6-cell(72Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0018US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB0019US	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001AUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001BUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001CUS	US	i7-7600U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001DUS	US	i5-7300U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001EUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HB001FUS	US	i5-7300U	vPro	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001GUS	US	i7-7600U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001HUS	US	i5-7300U	vPro	M520 2GB	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001JUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" 4K (3840x2160) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HB001KUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HB001NUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001PUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001QUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001RUS	US	i5-7300U	vPro	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001SUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001TUS	US	i7-7500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001UUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001VUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HB001XUS	US	i7-7500U	No	M520 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 Pro 64	3-year, Depot	05/17



ThinkPad P51s - TopSeller - 20JY

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JY0004US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0005US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0006US	US	i7-6500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0007US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" 4K (3840x2160) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0008US	US	i7-6500U	No	M520 2GB	8GBx2	15.6" 4K (3840x2160) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY0009US	US	i7-6500U	No	M520 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY000AUS	US	i7-6500U	No	M520 2GB	16GBx2	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY000BUS	US	i7-6500U	No	M520 2GB	8GBx2	15.6" 4K (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JY000CUS	US	i7-6500U	No	M520 2GB	16GBx2	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	65W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17



# ThinkPad P52 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i7 Processor or Intel Xeon® E Processor								Dimensions	<i>WxDxH:</i> 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm <i>WxDxH(Touch):</i> 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	<i>Non-touch model:</i> starting at 5.4 lb (2.45kg); <i>Multi-touch model:</i> starting at 6.4 lb (2.9kg)
	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB	DDR4-2400	Intel UHD Graphics 630	Case color	Black
	i7-8850H			2.6 GHz	4.3 GHz	9MB			Case material	<i>Display cover:</i> PPS; <i>Bottom:</i> Magnesium/Aluminum
	i9-8950HK			2.9 GHz	4.8 GHz	12MB			Smart card reader	<i>Optional:</i> Smart card reader
E-2176M	2.7 GHz			4.4 GHz	12MB	ExpressCard		None		
Graphics	Intel UHD Graphics 630 or P630 in processor and NVIDIA Quadro® P1000 (4GB memory), P2000 (4GB memory), or P3200 (6GB memory, VR ready); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840X2160@60Hz (DisplayPort via Mini DisplayPort cable); 5120X2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card
Chipset	Mobile Intel CM246 Chipset								Ports	Three USB 3.1 Gen 1 (one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.4, HDMI 2.0, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Memory	128GB non-ECC or 64GB ECC max / 2400MHz DDR4 (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets <i>* Installed DIMMs are actually 2666MHz but run at 2400MHz due to Intel limitation</i> <i>* 128GB non-ECC memory for special bid only</i>								Camera (optional)	<i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 160° viewing angle <i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 400 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch								Audio support	HD Audio, Realtek® ALC3286 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack, Dolby Atmos® headphone
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (4K only)								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, LED backlight
Pen	Supports pen accessory, please see the accessory compatibility for details								UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad
Storage	<i>Up to 3 drives (two M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s								Security	Power-on password, hard disk password, supervisor password, security keyhole
RAID (optional)	RAID 0/1 support								Security chip	Discrete TPM 2.0, TCG Certified
Optical	None								vPro (optional)	Intel vPro Technology
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Color calibration	None
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								NFC (optional)	Near Field Communication
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card								Battery	Li-ion 90Wh battery
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Max battery life	<i>Discrete mode:</i> 6.1 hr; <i>Hybrid mode:</i> 8.9 hr <i>(MobileMark® 2014)</i> * Battery life varies significantly with settings, usage, & other factors
									AC adapter	170W slim tip AC adapter
									Preload	<i>One of the following, configurable by model:</i> • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations
									Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
									Mil-Spec test	MIL-STD-810G military certification
									Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

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Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage (HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System (OS)	Warranty	Ann Date (m/y)
20M90009US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000AUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9000BUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	Fibocom L850-GL	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	07/18
20M9000CUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000DUS	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	Fibocom L850-GL	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	07/18
20M9000EUS	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000FUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000GUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000HUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9000JUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000KUS	US	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000LUS	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000MUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000NUS	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000PUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	8GBx1 ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9000QUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000RUS	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9000SUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000TUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000UUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	Fibocom L850-GL	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	07/18

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage (HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System (OS)	Warranty	Ann Date (m/y)
20M9000VUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000WUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000XUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9000YUS	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90010US	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M90011US	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90012US	US	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90013US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90014US	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90015US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90016US	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9001YUS	US	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90020US	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90021US	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90022US	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M90023US	US	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90024US	US	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90025US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M90026US	US	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx1 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M90027US	US	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20M90039US	US	i9-8950HK	No	P3200	Intel CM246	32GBx1 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	90Wh	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/19



# ThinkPad P52s Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions	<i>WxDxH:</i> 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm																	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	starting at 4.39 lb / 1.99 kg																	
	i5-8350U	4	8	1.7 GHz	3.6 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	Case color	Black																	
	i7-8550U			1.8 GHz	4.0 GHz	8MB			Case material	<i>Display cover:</i> Glass-Fiber Reinforced Plastic (PPS); <i>Bottom:</i> Glass-Fiber Reinforced Plastic																	
i7-8650U	1.9 GHz			4.2 GHz	8MB																						
Graphics	Intel UHD Graphics 620 in processor and NVIDIA Quadro® P500, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Smart card reader	<i>Optional:</i> Smart card reader																	
Chipset	Intel SoC (System on Chip) platform								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																	
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>								Ports	Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>																	
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle <i>Some:</i> 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle								Monitor cable (optional)	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter																	
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Camera (optional)	<i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus																	
Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN								Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack																	
Optical	None								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight																	
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																	
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card <i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>								Security	Power-on password, hard disk password, supervisor password, security keyhole																	
WWAN (optional)	<i>One of the following, configurable by model:</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>								Security chip vPro (optional)	Discrete TPM 2.0, TCG Certified																	
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Fingerprint reader	<i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest anti-spoofing technology																	
									NFC (optional)	Near Field Communication																	
									Battery	Optional integrated Li-ion 32Wh battery and external Li-ion 24Wh, 48Wh, or 72Wh battery																	
									Max battery life (MobileMark® 2014)	<table border="1"> <thead> <tr> <th>Models</th> <th>48Wh</th> <th>72Wh</th> <th>32Wh + 24Wh</th> <th>32Wh + 48Wh</th> <th>32Wh + 72Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>12.2 hr</td> <td>18.5 hr</td> <td>13.5 hr</td> <td>20.1 hr</td> <td>26.3 hr</td> </tr> </tbody> </table>						Models	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh	Max battery life	12.2 hr	18.5 hr	13.5 hr	20.1 hr	26.3 hr
Models	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh																						
Max battery life	12.2 hr	18.5 hr	13.5 hr	20.1 hr	26.3 hr																						
									AC adapter	65W USB Type-C AC adapter																	
									Preload	Windows® 10 Home 64 or Windows 10 Pro 64																	
									Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service																	
									Mil-Spec test	MIL-STD-810G military certification																	
									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant																	



Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)	
20LB000XUS	US	i5-8350U	vPro	P500	2GB	8GBx1	15.6" UHD (3840x2160) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB000YUS	US	i5-8350U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0010US	US	i5-8350U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0011US	US	i5-8350U	vPro	P500	2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0012US	US	i7-8650U	vPro	P500	2GB	16GBx1	15.6" UHD (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0013US	US	i7-8650U	vPro	P500	2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0014US	US	i5-8350U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0015US	US	i7-8650U	vPro	P500	2GB	8GBx1	15.6" UHD (3840x2160) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0016US	US	i7-8650U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0017US	US	i7-8650U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0018US	US	i7-8650U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB0019US	US	i7-8650U	vPro	P500	2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB001AUS	US	i7-8650U	vPro	P500	2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB001BUS	US	i7-8650U	vPro	P500	2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB001CUS	US	i7-8650U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB001DUS	US	i5-8350U	vPro	P500	2GB	16GBx1	15.6" UHD (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB001EUS	US	i5-8350U	vPro	P500	2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB001FUS	US	i7-8650U	vPro	P500	2GB	16GBx1	15.6" UHD (3840x2160) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20LB001GUS	US	i5-8350U	vPro	P500	2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0020US	US	i7-8550U	No	P500	2GB	16GBx1	15.6" UHD (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20LB0021US	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0022US	US	i7-8550U	No	P500 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0023US	US	i7-8550U	No	P500 2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0024US	US	i7-8550U	No	P500 2GB	16GBx1	15.6" UHD (3840x2160) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0025US	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0026US	US	i7-8550U	No	P500 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0027US	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0028US	US	i7-8550U	No	P500 2GB	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB0029US	US	i7-8650U	vPro	P500 2GB	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/18
20LB002FUS	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	12/18
20LB002GUS	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	1TB 5400rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	12/18
20LB002HUS	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	None	1TB 5400rpm + 16GB Optane Memory	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/19
20LB002JUS	US	i7-8550U	No	P500 2GB	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	1TB 5400rpm + 16GB Optane Memory	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/19



# ThinkPad P71 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family							Dimensions	WxDxH: 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm							
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 7.3 lb (3.3kg)						
	i7-7700HQ	4	8	2.8 GHz	3.8 GHz	6MB	DDR4-2400	Intel HD Graphics 630	Case color	Black						
	i7-7820HQ			2.9 GHz	3.9 GHz			8MB	Intel HD Graphics P630	Case material	Display cover: Glass-Fiber + PPS; Bottom: Magnesium/Aluminum					
	E3-1505M v6			3.0 GHz	4.0 GHz	Smart card reader				Optional: Smart card reader						
E3-1535M v6	3.1 GHz			4.2 GHz	ExpressCard					One slot (ExpressCard/34)						
Graphics	Intel HD Graphics 630 or P630 in processor and NVIDIA Quadro® M620 (2GB memory), M2200 (4GB memory), P3000 (6GB memory), P4000 (8GB memory), or P5000 (16GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)							Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card							
Chipset	Mobile Intel CM238 Chipset							Ports	Four USB 3.1 Gen 1 (USB 3.0, one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>							
Memory	64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets							Monitor cable	Optional: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable							
Display	<i>Some:</i> 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle <i>Some:</i> 17.3" (439mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 90% gamut, 170° viewing angle							Camera (optional)	HD720p resolution, fixed focus							
Multi-touch	None							Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack							
Pen	None							Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight							
Storage	<i>Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)</i> <ul style="list-style-type: none"> <li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™</li> <li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s</li> </ul>							UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad							
RAID (optional)	RAID 0/1 support							Security	Power-on password, hard disk password, supervisor password, security keyhole							
Optical (optional)	DVD burner, 9.5mm high, fixed, tray-in							Security chip	Discrete TPM 2.0, TCG Certified							
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							vPro (optional)	Intel vPro Technology							
WLAN	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card							Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel							
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>							Color calibration	Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest							
WWAN (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> </ul>							NFC	None							
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							Battery	Li-ion 8-cell (96Wh)							
								Max battery life (MobileMark® 2014)	<table border="1"> <thead> <tr> <th>Mode</th> <th>Discrete Graphics</th> <th>Hybrid Graphics</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>9.8 hr</td> <td>14.25 hr</td> </tr> </tbody> </table>		Mode	Discrete Graphics	Hybrid Graphics	Max battery life	9.8 hr	14.25 hr
Mode	Discrete Graphics	Hybrid Graphics														
Max battery life	9.8 hr	14.25 hr														
								AC adapter	* Battery life varies significantly with settings, usage, & other factors 170W or 230W slim tip AC adapter							
								Preload	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Windows® 10 Home 64</li> <li>Windows 10 Pro 64</li> <li>Windows 10 Pro 64 for Workstations</li> </ul>							
								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>							
								Mil-Spec test	MIL-STD-810G military certification							
								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant							

Note: The specifications above may not be available in all regions.

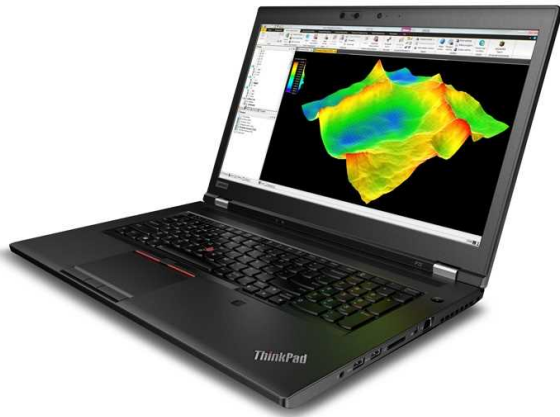
Lenovo  
September 2018

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Color Calibrator	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HK000VUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK000WUS	US	Xeon E3-1505M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK000XUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK000YUS	US	Xeon E3-1535M v6	vPro	P4000 8GB	8GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0010US	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0011US	US	i7-7700HQ	No	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0012US	US	Xeon E3-1535M v6	vPro	P4000 8GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0013US	US	i7-7700HQ	No	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0014US	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0015US	US	Xeon E3-1505M v6	vPro	M620 2GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0016US	US	Xeon E3-1505M v6	vPro	M620 2GB	8GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0017US	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0018US	US	i7-7700HQ	No	M620 2GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK0019US	US	Xeon E3-1505M v6	vPro	P4000 8GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001AUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001BUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001CUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001DUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001EUS	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 5400rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001FUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001GUS	US	i7-7700HQ	No	M620 2GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001HUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	8GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001JUS	US	i7-7700HQ	No	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Color Calibrator	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HK001KUS	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001LUS	US	Xeon E3-1535M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001MUS	US	i7-7820HQ	vPro	M620 2GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HK001PUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HK001QUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HK001RUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HK001SUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HK001TUS	US	i7-7820HQ	vPro	P3000 6GB	8GBx2 non-ECC	17.3" FHD (1920x1080) IPS	None	None	500GB 7200rpm	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	05/17
20HK003CSS	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003CUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003DSS	US	Xeon E3-1535M v6	vPro	P5000 16GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003DUS	US	Xeon E3-1535M v6	vPro	P5000 16GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003ESS	US	Xeon E3-1535M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003EUS	US	Xeon E3-1535M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003FSS	US	Xeon E3-1535M v6	vPro	P4000 8GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003FUS	US	Xeon E3-1535M v6	vPro	P4000 8GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003GSS	US	Xeon E3-1505M v6	vPro	M2200 4GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003GUS	US	Xeon E3-1505M v6	vPro	M2200 4GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003HSS	US	Xeon E3-1535M v6	vPro	M2200 4GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003HUS	US	Xeon E3-1535M v6	vPro	M2200 4GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003JSS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003JUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003KSS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Color Calibrator	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HK003KUS	US	Xeon E3-1505M v6	vPro	P3000 6GB	8GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003LSS	US	Xeon E3-1505M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003LUS	US	Xeon E3-1505M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	None	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18
20HK003MSS	US	Xeon E3-1535M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64	3-year, Depot	01/18
20HK003MUS	US	Xeon E3-1535M v6	vPro	P4000 8GB	16GBx2 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Blank Bezel	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	720p	Backlit	X-Rite	Finger-print Reader	None	dTPM 2.0	8-cell (96Wh)	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	01/18







# ThinkPad P72 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i7 Processor or Intel Xeon® E Processor								Dimensions	<i>WxDxH:</i> 16.38" x 11.06" x 0.96-1.16"; 416mm x 281mm x 24.5-29.4mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 7.5 lb (3.4kg)
	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB	DDR4-2400	Intel UHD Graphics 630	Case color	Black
	i7-8850H			2.6 GHz	4.3 GHz	9MB		Intel UHD Graphics 630	Case material	<i>Display cover:</i> GFRP + PPS; <i>Bottom:</i> Magnesium/Aluminum
	E-2176M			2.7 GHz	4.4 GHz	12MB		Intel UHD Graphics P630	Smart card reader	<i>Optional:</i> Smart card reader
E-2186M	2.9 GHz			4.8 GHz	12MB	Intel UHD Graphics P630		ExpressCard	None	
Graphics	Intel UHD Graphics 630 or P630 in processor and NVIDIA Quadro® P600 (4GB memory), P2000 (4GB memory), P3200 (6GB memory), P4200 (8GB memory), or P5200 (16GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840X2160@60Hz (DisplayPort via Mini DisplayPort cable); 5120X2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card
Chipset	Mobile Intel CM246 Chipset								Ports	Four USB 3.1 Gen 1 (one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.4, HDMI 2.0, Ethernet (RJ-45), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Memory	128GB non-ECC or 64GB ECC max / 2400MHz DDR4 (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets <i>* Installed DIMMs are actually 2666MHz but run at 2400MHz due to Intel limitation</i>								Monitor cable	<i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable
Display	<i>Some:</i> 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle <i>Some:</i> 17.3" (439mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 400 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% Adobe CG, 170° viewing angle								Camera ( <i>optional</i> )	IR camera and HD720p camera, fixed focus
Multi-touch	None								Audio support	HD Audio, Realtek® ALC3286 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack, Dolby Atmos® headphone
Pen	Supports pen accessory, please see the accessory compatibility for details								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, LED backlight
Storage	<i>Up to 3 drives (two M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s								UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad
RAID ( <i>optional</i> )	RAID 0/1 support								Security	Power-on password, hard disk password, supervisor password, security keyhole
Optical	None								Security chip	Discrete TPM 2.0, TCG Certified
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								vPro ( <i>optional</i> )	Intel vPro Technology
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Color calibration	None
WWAN	None								NFC ( <i>optional</i> )	Near Field Communication
SIM card	None								Battery	Li-ion 99Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
									Max battery life	<i>MobileMark® 2014:</i> 18 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
									AC adapter	230W slim tip AC adapter
									Preload	<i>One of the following, configurable by model:</i> • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations
									Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
									Mil-Spec test	MIL-STD-810G military certification
									Environment	EPEAT™ Gold; ENERGY STAR® 7.0; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
November 2018

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20MB001EUS	US	i7-8850H	vPro	P2000 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001FUS	US	i7-8850H	vPro	P2000 4GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001GUS	US	Xeon E-2176M	vPro	P4200 8GB	16GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB001HUS	US	Xeon E-2186M	vPro	P5200 16GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB001JUS	US	i7-8750H	No	P2000 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001KUS	US	i7-8850H	vPro	P600 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001LUS	US	i7-8850H	vPro	P600 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001MUS	US	i7-8850H	vPro	P2000 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001NUS	US	i7-8750H	No	P600 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001PUS	US	i7-8850H	vPro	P3200 6GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001QUS	US	Xeon E-2176M	vPro	P4200 8GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB001RUS	US	i7-8750H	No	P2000 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001SUS	US	i7-8850H	vPro	P600 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001TUS	US	i7-8850H	vPro	P600 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001UUS	US	i7-8850H	vPro	P3200 6GB	32GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001VUS	US	Xeon E-2176M	vPro	P4200 8GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB001WUS	US	i7-8750H	No	P2000 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001XUS	US	i7-8850H	vPro	P3200 6GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB001YUS	US	i7-8850H	vPro	P2000 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB0020US	US	i7-8850H	vPro	P3200 6GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20MB0021US	US	i7-8750H	No	P600 4GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB0022US	US	i7-8850H	vPro	P2000 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB0023US	US	i7-8850H	vPro	P3200 6GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB0024US	US	Xeon E-2186M	vPro	P5200 16GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB0025US	US	i7-8850H	vPro	P2000 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB0026US	US	Xeon E-2186M	vPro	P5200 16GB	16GBx2 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB0027US	US	Xeon E-2186M	vPro	P5200 16GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB0028US	US	Xeon E-2176M	vPro	P4200 8GB	8GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB0029US	US	Xeon E-2176M	vPro	P4200 8GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB002AUS	US	Xeon E-2176M	vPro	P4200 8GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB002BUS	US	i7-8750H	No	P600 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002CUS	US	Xeon E-2176M	vPro	P4200 8GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB002DUS	US	i7-8850H	vPro	P2000 4GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002EUS	US	i7-8750H	No	P2000 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002FUS	US	Xeon E-2186M	vPro	P5200 16GB	16GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB002GUS	US	i7-8750H	No	P600 4GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002HUS	US	i7-8750H	No	P2000 4GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002JUS	US	Xeon E-2186M	vPro	P5200 16GB	16GBx1 ECC	17.3" 4K (3840x2160) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB002KUS	US	i7-8750H	No	P600 4GB	8GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002LUS	US	i7-8850H	vPro	P2000 4GB	32GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20MB002MUS	US	i7-8750H	No	P2000 4GB	32GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002NUS	US	i7-8850H	vPro	P3200 6GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002PUS	US	i7-8850H	vPro	P3200 6GB	16GBx1 non-ECC	17.3" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	09/18
20MB002QUS	US	Xeon E-2186M	vPro	P5200 16GB	8GBx1 ECC	17.3" FHD (1920x1080) IPS	None	None	1TB 7200rpm	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	09/18
20MB003PUS	US	i7-8850H	vPro	P5200 16GB	16GBx1 non-ECC	17.3" 4K (3840x2160) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	99Wh	230W Slim Tip	Win10 Pro 64	3-year, Depot	04/19



# ThinkPad T470 Platform Specifications

Product Specifications Reference (PSREF)

<p><b>Processor</b></p> <p>6th Generation Intel® Core™ i5 / i7 Processor or</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i5-6200U</td> <td rowspan="4">2</td> <td rowspan="4">4</td> <td>2.3 GHz</td> <td>2.8 GHz</td> <td>3MB</td> <td rowspan="4">DDR4-2133</td> <td rowspan="4">Intel HD Graphics 520</td> </tr> <tr> <td>i5-6300U</td> <td>2.4 GHz</td> <td>3.0 GHz</td> <td>3MB</td> </tr> <tr> <td>i7-6500U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>4MB</td> </tr> <tr> <td>i7-6600U</td> <td>2.6 GHz</td> <td>3.4 GHz</td> <td>4MB</td> </tr> </tbody> </table> <p>7th Generation Intel Core i3 / i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-7100U</td> <td rowspan="5">2</td> <td rowspan="5">4</td> <td>2.4 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="5">DDR4-2133</td> <td rowspan="5">Intel HD Graphics 620</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>3MB</td> </tr> <tr> <td>i5-7300U</td> <td>2.6 GHz</td> <td>3.5 GHz</td> <td>3MB</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> </tr> <tr> <td>i7-7600U</td> <td>2.8 GHz</td> <td>3.9 GHz</td> <td>4MB</td> </tr> </tbody> </table> <p><i>* i7-6500U is NOT available in EMEA</i></p>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD Graphics 520	i5-6300U	2.4 GHz	3.0 GHz	3MB	i7-6500U	2.5 GHz	3.1 GHz	4MB	i7-6600U	2.6 GHz	3.4 GHz	4MB	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	i5-7200U	2.5 GHz	3.1 GHz	3MB	i5-7300U	2.6 GHz	3.5 GHz	3MB	i7-7500U	2.7 GHz	3.5 GHz	4MB	i7-7600U	2.8 GHz	3.9 GHz	4MB	<p><b>Dimensions</b> <i>WxDxH:</i> 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm</p> <p><b>Weight</b></p> <table border="1"> <thead> <tr> <th>Models</th> <th>3-cell or 3 + 3-cell</th> <th>6-cell or 3 + 6-cell</th> </tr> </thead> <tbody> <tr> <td>Magnesium</td> <td>3.49 lb / 1.58 kg</td> <td>3.92 lb / 1.78 kg</td> </tr> <tr> <td>PPS</td> <td>3.63 lb / 1.65 kg</td> <td>4.35 lb / 1.85 kg</td> </tr> </tbody> </table> <p><b>Case color</b> <b>Case material</b> <i>Display cover:</i> Magnesium Hybrid or PPS; <i>Bottom:</i> Glass-Fiber Reinforced Plastic</p>	Models	3-cell or 3 + 3-cell	6-cell or 3 + 6-cell	Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg	PPS	3.63 lb / 1.65 kg	4.35 lb / 1.85 kg
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																															
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD Graphics 520																																																															
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i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620																																																															
i5-7200U			2.5 GHz	3.1 GHz	3MB																																																																	
i5-7300U			2.6 GHz	3.5 GHz	3MB																																																																	
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<p><b>Graphics</b></p> <p>Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 620 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)</p> <p><b>Chipset</b> Intel SoC (System on Chip) platform</p> <p><b>Memory</b> 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i></p>	<p><b>Smart card reader</b> <i>Optional:</i> Smart card reader</p> <p><b>Media reader</b> 4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I</p> <p><b>Ports</b> Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i></p> <p><b>WiGig dock (opt)</b> ThinkPad WiGig dock</p> <p><b>Monitor cable</b> <i>Optional:</i> Lenovo USB-C to VGA Adapter</p>																																																																					
<p><b>Display</b></p> <p><i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio</p> <p><i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 or 500:1 contrast ratio</p> <p><i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle</p> <p><b>Multi-touch (opt)</b> On-cell touch, supports 10-finger gesture (FHD IPS panel with PPS cover only)</p> <p><b>Storage</b> <i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig</p> <p><b>Optical</b> None</p> <p><b>Ethernet</b> <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)</p>	<p><b>Camera (optional)</b> <i>720p:</i> HD720p resolution, fixed focus <i>IR &amp; 720p:</i> IR camera and HD720p camera (mutually exclusive with WiGig)</p> <p><b>Audio support</b> HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack</p> <p><b>Keyboard</b> 6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad</p> <p><b>Security</b> Power-on password, hard disk password, supervisor password, security keyhole</p> <p><b>Security chip</b> Discrete TPM 2.0, TCG Certified</p> <p><b>vPro (optional)</b> Intel vPro Technology</p> <p><b>Fingerprint reader</b> <i>Optional:</i> Touch style match on chip fingerprint reader on the keyboard bezel</p> <p><b>NFC (optional)</b> Near Field Communication</p>																																																																					
<p><b>Internal battery</b> <i>Optional:</i> Integrated Li-Polymer 3-cell (24Wh)</p> <p><b>External battery</b> Li-Polymer 3-cell (24Wh) or Li-ion 6-cell (48Wh or 72Wh)</p> <p><b>Max battery life (MobileMark® 2014)</b></p> <table border="1"> <thead> <tr> <th>Models</th> <th>3-cell</th> <th>3 + 3-cell</th> <th>6-cell 48Wh</th> <th>6-cell 72Wh</th> <th>3 + 6-cell 48Wh</th> <th>3 + 6-cell 72Wh</th> </tr> </thead> <tbody> <tr> <td><i>Integrated</i></td> <td>6.9 hr</td> <td>13.9 hr</td> <td>13.9 hr</td> <td>20.9 hr</td> <td>20.9 hr</td> <td>27.1 hr</td> </tr> <tr> <td><i>Discrete</i></td> <td>6.9 hr</td> <td>13.9 hr</td> <td>14.3 hr</td> <td>21.6 hr</td> <td>21.2 hr</td> <td>28.6 hr</td> </tr> </tbody> </table> <p><i>* Battery life varies significantly with settings, usage, &amp; other factors</i></p> <p><b>AC adapter</b> 45W or 65W slim tip AC adapter, 45W or 65W USB Type-C AC adapter</p>	Models	3-cell	3 + 3-cell	6-cell 48Wh	6-cell 72Wh	3 + 6-cell 48Wh	3 + 6-cell 72Wh	<i>Integrated</i>	6.9 hr	13.9 hr	13.9 hr	20.9 hr	20.9 hr	27.1 hr	<i>Discrete</i>	6.9 hr	13.9 hr	14.3 hr	21.6 hr	21.2 hr	28.6 hr	<p><b>Preload</b> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64</p> <ul style="list-style-type: none"> <li>• Lenovo Solution Center</li> <li>• Lenovo PowerEngage</li> <li>• ThinkVantage Product Recovery</li> <li>• ThinkVantage System Update</li> <li>• Adobe® Reader®</li> <li>• Microsoft® Office preloaded; purchase a product key to activate</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> </ul> <p><b>Limited warranty</b> <i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 3-year/1-yr battery depot repair service</li> <li>• 3-year/1-yr battery limited onsite service</li> </ul> <p><b>Mil-Spec test</b> MIL-STD-810G military certification</p>																																																
Models	3-cell	3 + 3-cell	6-cell 48Wh	6-cell 72Wh	3 + 6-cell 48Wh	3 + 6-cell 72Wh																																																																
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<p><b>WWAN (optional)</b> <i>One of the following, configurable by model (WWAN can coexist with WiGig):</i></p> <ul style="list-style-type: none"> <li>• Wireless WAN upgradable</li> <li>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>• Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul> <p><b>SIM card (opt)</b> Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card</p>	<p><b>Environment</b> EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant</p>																																																																					

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage (HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal-external)	Power Adapter	Operating System	War-ranty	Ann Date (my)
20HD000QUS	US	i5-7200U	No	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20HD000RUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20HD000SUS	US	i5-7200U	No	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20HD000TUS	US	i5-7200U	No	Intel HD 620	8GB	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20HD000UUS	US	i5-7200U	No	Intel HD 620	8GB	14" HD (1366x768)	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20HD000VUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20HD000WUS	US	i5-7200U	No	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20HD000XUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20HD004AUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	03/17
20HD004BUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HD0056US	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Magnesium	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD0057US	US	i7-7600U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Magnesium	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD0058US	US	i7-7600U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005AUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005BUS	US	i7-7600U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005CUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005DUS	US	i7-7600U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005EUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005FUS	US	i7-7600U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HD005GUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20HD0066US	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HD0067US	US	i5-7200U	No	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HD0068US	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HD0069US	US	i5-7200U	No	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HD006AUS	US	i5-7300U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HD006BUS	US	i5-7300U	vPro	Intel HD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HD006FUS	US	i7-7600U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HD006XUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	512GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	NFC	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17
20HD006YUS	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	NFC	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17
20HD0070US	US	i5-7300U	vPro	Intel HD 620	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	NFC	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17



ThinkPad T470 - TopSeller - 20JM

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JM0009US	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JM000AUS	US	i7-6600U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JM000BUS	US	i7-6500U	No	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JM000CUS	US	i5-6200U	No	Intel HD 520	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JM000EUS	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000FUS	US	i7-6600U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000GUS	US	i7-6600U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000HUS	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000JUS	US	i7-6600U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000KUS	US	i7-6600U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000LUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000MUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JM000QUS	US	i5-6300U	vPro	Intel HD 520	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JM000RUS	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JM000SUS	US	i5-6200U	No	Intel HD 520	8GB	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20JM0012US	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JM0013US	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	512GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JM0014US	US	i5-6300U	vPro	Intel HD 520	8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(24Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17



# ThinkPad T470s Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 / i7 Processor							Dimensions Weight Case color Case material	<i>WxDxH:</i> 13.03" x 8.93" x 0.67-0.74"; 331mm x 226.8mm x 16.9-18.8mm Starting at 2.9 lb (1.32kg) Black or Silver <i>Display cover:</i> CFRP Hybrid; <i>Bottom:</i> Magnesium
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		
	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD Graphics 520	
	i5-6300U			2.4 GHz	3.0 GHz	3MB			
	i7-6600U			2.6 GHz	3.4 GHz	4MB			
	or 7th Generation Intel Core i5 / i7 Processor							Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620	
	i5-7300U			2.6 GHz	3.5 GHz	3MB			
	i7-7500U			2.7 GHz	3.5 GHz	4MB			
	i7-7600U			2.8 GHz	3.9 GHz	4MB			
Graphics	Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)							WiGig dock (opt) Monitor cable (optional)	ThinkPad WiGig dock, mutually exclusive with WWAN <i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter
Chipset	Intel SoC (System on Chip) platform							Camera (optional)	HD720p resolution, fixed focus (models without camera are NOT available in EMEA)
Memory	20GB or 24GB max <sup>7</sup> / 2400MHz DDR4, dual-channel capable, 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket <i>* System clocks down for processors with lower memory controller</i>							Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack
Display	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 160° viewing angle							Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Multi-touch (opt)	On-cell touch, supports 10-finger gesture, 250 nits (FHD only)							Security Security chip vPro (optional) Fingerprint reader NFC (optional)	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest Near Field Communication
Storage	<i>One of the following, configurable by model:</i> • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)							Internal battery Max battery life	Front Li-Polymer 3-cell (23Wh) and rear Li-ion 3-cell (26Wh), both Integrated <i>MobileMark® 2014:</i> up to 10.5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
Optical	None							AC adapter	45W slim tip AC adapter, 45W or 65W USB Type-C AC adapter
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo PowerEngage • ThinkVantage Product Recovery • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)
WLAN	<i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i> • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card							Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>							Mil-Spec test	MIL-STD-810G military certification
WWAN (optional)	<i>One of the following, configurable by model (mutually exclusive with WiGig):</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card • Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant
SIM card (opt)									

Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HF0010US	US	i7-7600U	vPro	Intel HD 620	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF0011US	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF0012US	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF0013US	US	i7-7600U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF0014US	US	i5-7200U	No	Intel HD 620	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/17
20HF0015US	US	i7-7600U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF001DUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HF003QUS	US	i7-7600U	vPro	Intel HD 620	4GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF003RUS	US	i5-7200U	No	Intel HD 620	4GB + 4GB	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HF003SUS	US	i5-7200U	No	Intel HD 620	4GB + 4GB	14" WQHD (2560x1440) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HF003TUS	US	i7-7600U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF003UUS	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF003VUS	US	i5-7200U	No	Intel HD 620	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	02/17
20HF003WUS	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HF0044US	US	i7-7600U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HF005GUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HF005HUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HF005JUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HF005KUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HF005LUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17

Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HF005MUS	US	i7-7600U	vPro	Intel HD 620	8GB + 16GB	14" WQHD (2560x1440) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20HF005NUS	US	i5-7200U	No	Intel HD 620	4GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	04/17
20HF0063US	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17
20HF0064US	US	i5-7300U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HF0065US	US	i7-7600U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HF0066US	US	i5-7300U	vPro	Intel HD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	07/17
20HF006KUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17
20HF006LUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17

ThinkPad T470s - TopSeller - 20JS

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JS0004US	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JS000MUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JS0014US	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JS0015US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JS0016US	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JS0017US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	Smart Card Reader	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JS0018US	US	i5-6300U	vPro	Intel HD 520	4GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	1-year, Depot	03/17
20JS0019US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001AUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001BUS	US	i7-6600U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001CUS	US	i7-6600U	vPro	Intel HD 520	4GB + 16GB	14" FHD (1920x1080) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001DUS	US	i7-6600U	vPro	Intel HD 520	4GB + 16GB	14" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JS001GUS	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JS001HUS	US	i5-6300U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS001JUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS001KUS	US	i7-6600U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS001LUS	US	i5-6300U	vPro	Intel HD 520	4GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20JS0023US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JS0024US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JS0025US	US	i5-6300U	vPro	Intel HD 520	4GB + 4GB	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(26Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17



# ThinkPad T480 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor							Dimensions Weight	WxDxH: 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Processor Graphics	Models	24Wh or 24Wh + 24Wh	48Wh, 72Wh, or 24Wh + 48Wh / 72Wh			
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620	Integrated Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg				
	i5-7300U			2.6 GHz	3.5 GHz	3MB			Discrete Magnesium	3.53 lb / 1.60 kg	3.97 lb / 1.80 kg				
	or 8th Generation Intel Core i3 / i5 / i7 Processor							Case color Case material	Black Display cover: Magnesium Hybrid or PPS; Bottom: Glass-Fiber Reinforced Plastic						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Processor Graphics	Smart card reader	Optional: Smart card reader				
	i3-8130U	4	8	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)					
	i5-8250U			1.6 GHz	3.4 GHz	6MB			Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 media reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole					
	i5-8350U			1.7 GHz	3.6 GHz	6MB			Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter					
	i7-8550U			1.8 GHz	4.0 GHz	8MB			Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus					
	i7-8650U			1.9 GHz	4.2 GHz	8MB			Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack					
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX150, 2GB GDDR5 memory (discrete graphics is available only on i7 models in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad						
Chipset	Intel SoC (System on Chip) platform							Security	Power-on password, hard disk password, supervisor password, security keyhole						
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							Security chip	Discrete TPM 2.0, TCG Certified						
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle							vPro (optional)	Intel vPro Technology						
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)							Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the keyboard bezel, anti-spoofing technology						
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN Some: 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as storage cache for HDD, mutually exclusive with WWAN							NFC (optional)	Near Field Communication						
Optical	None							Battery	Optional integrated Li-ion 24Wh battery and external Li-ion 24Wh, 48Wh, or 72Wh battery						
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)							Max battery life (MobileMark® 2014)	Models	24Wh	48Wh	72Wh	24Wh + 24Wh	24Wh + 48Wh	24Wh + 72Wh
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS							Integrated model	7.2 hr	14.4 hr	21.8 hr	14.4 hr	21.8 hr	29.0 hr	
WWAN (optional)	One of the following, configurable by model (mutually exclusive with Intel Optane memory): • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable							Discrete model	6.6 hr	13.2 hr	19.8 hr	13.6 hr	19.8 hr	26.4 hr	
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card							AC adapter	45W or 65W USB Type-C AC adapter						
								Preload	Windows® 10 Home 64 or Windows 10 Pro 64						
								Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service						
								Mil-Spec test	MIL-STD-810G military certification						
								Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant						

Note: The specifications above may not be available in all regions.

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Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20L5000TUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5000UUS	US	i7-8550U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5000VUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5000WUS	US	i5-8250U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20L5000XUS	US	i7-8650U	vPro	MX150 2GB	16GBx1	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5000YUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50010US	US	i7-8650U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50011US	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50012US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50013US	US	i7-8650U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50014US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50015US	US	i7-8650U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50016US	US	i5-7300U	vPro	Intel HD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20L50017US	US	i5-8350U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50018US	US	i7-8650U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L50019US	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5001AUS	US	i5-8350U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5001BUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	128GB SSD	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5001CUS	US	i7-8550U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L5001DUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20L5004HUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20L5004JUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5004KUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5004LUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5004MUS	US	i7-8550U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5004NUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5004PUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5004QUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L50053US	US	i5-8250U	No	Intel UHD 620	4GBx1	14" HD (1366x768)	None	500GB 7200rpm + 16GB Optane Memory	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	04/18
20L50054US	US	i5-8350U	vPro	Intel UHD 620	4GBx1	14" FHD (1920x1080) IPS	None	500GB 7200rpm + 16GB Optane Memory	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L5005BUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	06/18
20L5005CUS	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	06/18
20L5005JUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	08/18
20L5005KUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	08/18
20L5005LUS	US	i5-7200U	No	Intel HD 620	8GBx1	14" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	08/18
20L50064US	US	i7-8650U	vPro	Intel UHD 620	16GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	10/18
20L50066US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	None + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	03/19
20L50067US	US	i5-8250U	No	Intel UHD 620	8GBx1	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	PPS	720p	Backlit	None	None	dTPM 2.0	24Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	03/19



# ThinkPad T480s Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor							Dimensions Weight Case color Case material	<i>WxDxH:</i> 13.03" x 8.93" x 0.73"; 331mm x 226.8mm x 18.45mm Starting at 2.9 lb (1.32kg) Black or Silver <i>Display cover:</i> CFRP Hybrid; <i>Bottom:</i> Magnesium
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620	
	i5-7300U			2.6 GHz	3.5 GHz	3MB			
	or 8th Generation Intel Core i5 / i7 Processor							Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	
	i5-8350U			1.7 GHz	3.6 GHz	6MB			
	i7-8550U			1.8 GHz	4.0 GHz	8MB			
	i7-8650U			1.9 GHz	4.2 GHz	8MB			
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX150, 2GB GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Monitor cable (optional)	<i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter
Chipset	Intel SoC (System on Chip) platform							Camera	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera, fixed focus</li> </ul>
Memory	20GB or 24GB max / 2400MHz DDR4, dual-channel capable, 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket <i>* System clocks down for processors with lower memory controller</i>							Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack
Display	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle, supports ThinkPad Privacy Guard on some models <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle							Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight
Multi-touch (opt)	On-cell touch, supports 10-finger gesture, 250 nits (FHD only)							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Storage	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)</li> <li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)</li> </ul>							Security	Power-on password, hard disk password, supervisor password, security keyhole
Optical	None							Security chip	Discrete TPM 2.0, TCG Certified
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							Security (optional)	Intel vPro Technology
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card <i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>							Fingerprint reader	<i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology
WWAN (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GT), M.2 card</li> </ul>							NFC (optional)	Near Field Communication
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card							Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (0-80% in 60 mins) with 65W USB Type-C AC adapter
								Max battery life	MobileMark® 2014: 15.6 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
								AC adapter	45W or 65W USB Type-C AC adapter
								Operating system	Windows® 10 Home 64 or Windows 10 Pro 64
								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>
								Mil-Spec test	MIL-STD-810G military certification
								Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
November 2018

Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20L7001WUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7001XUS	US	i5-8350U	vPro	Intel UHD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7001YUS	US	i7-8650U	vPro	Intel UHD 620	8GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70020US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70021US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70022US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70023US	US	i7-8550U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70024US	US	i7-8650U	vPro	Intel UHD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70025US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70026US	US	i7-8650U	vPro	Intel UHD 620	8GB + 8GB	14" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70027US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L70029US	US	i7-8650U	vPro	Intel UHD 620	8GB + 8GB	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Silver	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7002CUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7002DUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7002EUS	US	i5-8350U	vPro	Intel UHD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7002FUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7002HUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7002KUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	01/18
20L7004GUS	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L7004HUS	US	i7-8650U	vPro	Intel UHD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18

Model	Region	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20L7004JUS	US	i5-7300U	vPro	Intel HD 620	4GB + 4GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L7004KUS	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L7004LUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L70054US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20L70055US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20L7005BUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS, Privacy	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20L7005CUS	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS, Privacy	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20L7005EUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS, Privacy	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20L7005FUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS, Privacy	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	07/18
20L7005RUS	US	i7-8650U	vPro	Intel UHD 620	8GB + 8GB	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	10/18



# ThinkPad T490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									Dimensions Weight	WxDxH: 12.95" x 8.94" x 0.74"; 329mm x 227mm x 18.9mm				
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			Models	FHD	FHD Low Power / WQHD		
Graphics	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620		Case color	Black				
	i7-8565U			1.8 GHz	4.6 GHz	8MB					Case material	Display cover: PPS / 50% GF; Bottom: PA / 50% GF			
Chipset	Intel SoC (System on Chip) platform									Smart card reader	Optional: Smart card reader				
Memory	48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket										Media reader	MicroSD card reader			
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole				
	14.0"	HD (1366x768)	TN	Anti-glare	220 nits	16:9	400:1	45%	90°		Monitor cable (optional)	* Depending on many factors, actual data transfer speed may be lower than theoretical speed			
	14.0"	FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°			HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter	USB-C to VGA: Lenovo USB-C to VGA Adapter		
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°			USB-C to HDMI: Lenovo USB-C to HDMI Adapter	USB-C to DP: Lenovo USB-C to DisplayPort Adapter		
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°			Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus		
	14.0"	WQHD (2560x1440) Dolby Vision™ HDR	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°			Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack		
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)									Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight				
Storage	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad				
										Security chip vPro (optional)	Power-on password, hard disk password, supervisor password, security keyhole				
Optical	None									Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest				
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)									NFC (optional)	Near Field Communication				
WLAN (optional)	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0									Battery	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr)				
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Max battery life	MobileMark® 2014: 16.11 hr * Battery life varies significantly with settings, usage, & other factors				
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable									AC adapter	45W or 65W USB Type-C AC adapter				
										Preload	Windows® 10 Home 64 or Windows 10 Pro 64				
										Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service				
										Mil-Spec test	MIL-STD-810G military certification				
										Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant				

Note: The specifications above may not be available in all regions.

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March 2019



ThinkPad T490 - TopSeller - 20N2

Product Specifications Reference (PSREF)

Model	Region	Country	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	Smart Card Reader	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20N20008US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" HD (1366x768) 220nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20022US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20023US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	14" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20024US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits Anti-glare	None	128GB SSD M.2 2242 PCIe NVMe	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20025US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	14" HDR WQHD (2560x1440) IPS 500nits Glossy	None	1TB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20026US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20027US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20028US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20029US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	14" FHD (1920x1080) Low Power IPS 400nits Anti-glare	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N2002AUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits Anti-glare	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N2002BUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	14" FHD (1920x1080) Low Power IPS 400nits Anti-glare	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N20032US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	NONE	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	50Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19



# ThinkPad T490s Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									Dimensions	<i>WxDxH (black with FHD / Privacy Guard):</i> 12.94" x 8.90" x 0.66"; 328.8mm x 226.15mm x 16.7mm <i>WxDxH (black with FHD Low Power / WQHD):</i> 12.95" x 8.89" x 0.63"; 329.0mm x 225.8mm x 16.1mm <i>WxDxH (silver):</i> 12.96" x 8.92" x 0.68"; 329.15mm x 226.45mm x 17.2mm										
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Weight	<table border="1"> <tr> <th>Models</th> <th>Black with FHD</th> <th>Black with FHD Low Power / WQHD / Privacy Guard</th> <th>Silver</th> </tr> <tr> <td>Weight</td> <td>2.98 lb / 1.35 kg</td> <td>2.81 lb / 1.27 kg</td> <td>3.29 lb / 1.49 kg</td> </tr> </table>			Models	Black with FHD	Black with FHD Low Power / WQHD / Privacy Guard	Silver	Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg
Models	Black with FHD	Black with FHD Low Power / WQHD / Privacy Guard	Silver																		
Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg																		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620													
	i7-8565U			1.8 GHz	4.6 GHz	8MB															
Graphics	Intel UHD Graphics 620 in processor only; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)									Case color	Black or Silver										
Chipset	Intel SoC (System on Chip) platform									Case material	Display cover: CFRP Hybrid (black) or Aluminum (silver); Bottom: Magnesium										
Memory	8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets									Smart card reader	Optional: Smart card reader										
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Media reader	MicroSD card reader										
	14.0"	FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°	Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole										
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°	HDMI to VGA:	Lenovo HDMI to VGA Monitor Adapter										
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	* Depending on many factors, actual data transfer speed may be lower than theoretical speed	USB-C to VGA:	Lenovo USB-C to VGA Adapter									
	14.0"	WQHD (2560x1440) Dolby Vision™ HDR	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	USB-C to DP:	Lenovo USB-C to DisplayPort Adapter										
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)									Monitor cable (optional)	Lenovo USB-C to DisplayPort Adapter										
Storage	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>									Camera	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>										
Optical	None									Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack										
Ethernet	Native Intel Ethernet Connection I219-V ( <i>Non-vPro</i> ) or I219-LM ( <i>vPro</i> ) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2									Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight										
WLAN (optional)	<i>One of the following, configurable by model:</i>									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad										
Bluetooth™	<ul style="list-style-type: none"> <li>Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0</li> <li>Intel Wireless-AX 22260, Wi-Fi 2x2 802.11ax + Bluetooth 5.0</li> </ul>									Security	Power-on password, hard disk password, supervisor password, security keyhole										
	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Security chip	Discrete TPM 2.0, TCG Certified										
WWAN (optional)	<i>One of the following, configurable by model:</i>									vPro (optional)	Intel vPro Technology										
Bluetooth™	<ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul>									Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest										
	* For non-WWAN model, it means the model is NOT WWAN upgradable									NFC (optional)	Near Field Communication										
										Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)										
									Max battery life	MobileMark® 2014: 20 hr * Battery life varies significantly with settings, usage, & other factors											
									AC adapter	45W or 65W USB Type-C AC adapter											
									Preload	Windows® 10 Home 64 or Windows 10 Pro 64											
									Limited warranty	<i>One of the following, configurable by model:</i>											
									<ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>												
									Mil-Spec test	MIL-STD-810G military certification											
									Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant											

Note: The specifications above may not be available in all regions.

Lenovo  
March 2019

ThinkPad T490s - TopSeller - 20NX

Model	Region	Country	Processor	Pro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	Smart Card Reader	Monitor Cable	Bundled Acces-sories	Color	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery	Power Adapter	OS	Warranty	Ann Date (m/y)
20NX001TUS	NA	US	i5-8265U	No	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS 400nits AG	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX001UUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits AG	None	128GB SSD M.2 2242 PCIe NVMe	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	CFRP Hybrid	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX001VUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits AG	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	CFRP Hybrid	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX001WUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 250nits AG	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	CFRP Hybrid	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX001XUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 400nits AG	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	Fibocom L850-GL	None	None	None	SilverAluminum	Aluminum	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX001YUS	NA	US	i7-8565U	No	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS 400nits AG	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	SilverAluminum	Aluminum	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX0020US	NA	US	i7-8565U	No	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS 400nits AG	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX002HUS	NA	US	i7-8565U	No	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS 300nits AG	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX002JUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 300nits AG	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX002KUS	NA	US	i5-8265U	No	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS 300nits AG	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX002LUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 300nits AG	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20NX002MUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS 400nits AG	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	WWAN Upgradable	None	None	None	Black	CFRP Hybrid	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19



# ThinkPad T570 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 / i7 Processor								Dimensions Weight Case color Case material	<i>WxDxH:</i> 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm Starting at 4.34 lb / 1.97 kg Black <i>Display cover:</i> Glass-Fiber Reinforced Plastic (PPS); <i>Bottom:</i> Glass-Fiber Reinforced Plastic																		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																				
	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD Graphics 520	Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC), supports SD 3.0, UHS-I Three USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), Dock connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>																		
	i5-6300U			2.4 GHz	3.0 GHz	3MB																						
	i7-6600U			2.6 GHz	3.4 GHz	4MB																						
	or 7th Generation Intel Core i5 / i7 Processor								WiGig dock (opt) Monitor cable (optional) Camera (optional)	720p: HD720p resolution, fixed focus <i>IR &amp; 720p:</i> IR camera and HD720p camera (mutually exclusive with WiGig)																		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																				
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620	ThinkPad WiGig dock (US only) <i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter																			
	i5-7300U			2.6 GHz	3.5 GHz	3MB																						
	i7-7500U			2.7 GHz	3.5 GHz	4MB																						
	i7-7600U			2.8 GHz	3.9 GHz	4MB																						
Graphics	Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 520 or 620 in processor and NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack																		
Chipset	Intel SoC (System on Chip) platform								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight																		
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																		
Display	<i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle <i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle								Security	Power-on password, hard disk password, supervisor password, security keyhole																		
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								vPro (optional)	Intel vPro Technology																		
Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig								Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest																		
Optical	None								NFC (optional)	Near Field Communication																		
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								Internal battery	Optional: Integrated Li-Polymer 4-cell (32Wh)																		
WLAN	<i>One of the following, configurable by model (WiGig can coexist with WWAN):</i> <ul style="list-style-type: none"> <li>Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card (US only)</li> <li>Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> <li>Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li> </ul>								External battery	Li-Polymer 3-cell (24Wh) or Li-ion 6-cell (48Wh or 72Wh)																		
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>								Max battery life (MobileMark® 2014)	<table border="1"> <thead> <tr> <th>Models</th> <th>4 + 3-cell</th> <th>6-cell 48Wh</th> <th>6-cell 72Wh</th> <th>4 + 6-cell 48Wh</th> <th>4 + 6-cell 72Wh</th> </tr> </thead> <tbody> <tr> <td>Integrated</td> <td>13.8 hr</td> <td>12.5 hr</td> <td>18.5 hr</td> <td>20.3 hr</td> <td>27.1 hr</td> </tr> <tr> <td>discrete</td> <td>13.8 hr</td> <td>12.5 hr</td> <td>18.5 hr</td> <td>20.0 hr</td> <td>26.8 hr</td> </tr> </tbody> </table>	Models	4 + 3-cell	6-cell 48Wh	6-cell 72Wh	4 + 6-cell 48Wh	4 + 6-cell 72Wh	Integrated	13.8 hr	12.5 hr	18.5 hr	20.3 hr	27.1 hr	discrete	13.8 hr	12.5 hr	18.5 hr	20.0 hr	26.8 hr
Models	4 + 3-cell	6-cell 48Wh	6-cell 72Wh	4 + 6-cell 48Wh	4 + 6-cell 72Wh																							
Integrated	13.8 hr	12.5 hr	18.5 hr	20.3 hr	27.1 hr																							
discrete	13.8 hr	12.5 hr	18.5 hr	20.0 hr	26.8 hr																							
WWAN (optional)	<i>One of the following, configurable by model (WWAN can coexist with WiGig):</i> <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)</li> </ul>								AC adapter	45W or 65W slim tip AC adapter, 45W or 65W USB Type-C AC adapter																		
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo PowerEngage</li> <li>ThinkVantage Product Recovery</li> <li>ThinkVantage System Update</li> <li>Adobe® Reader®</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>McAfee® LiveSafe™ (30-day trial)</li> </ul>																		
									Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>																		
									Mil-Spec test	MIL-STD-810G military certification																		
									Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant																		

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H9000MUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9000NUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9000PUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9000QUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9000RUS	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9000SUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	1-year, Depot	01/17
20H9000TUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9000UUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	01/17
20H9004FUS	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20H9004NUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004PUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004QUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004RUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	15.6" 4K (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004SUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004TUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004UUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004VUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H9004WUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	04/17
20H90056US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17
20H90057US	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20H90058US	US	i5-7200U	No	Intel HD 620	4GBx1	15.6" HD (1366x768)	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17
20H90059US	US	i7-7600U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	06/17
20H9005CUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17
20H9005DUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	10/17



ThinkPad T570 - TopSeller - 20JW

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20JW0004US	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JW0005US	US	i5-6300U	vPro	Intel HD 520	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JW0006US	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20JW0007US	US	i7-6600U	vPro	Intel HD 520	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JW0008US	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JW0009US	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	04/17
20JW000CUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JW000DUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	06/17
20JW000GUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17
20JW000HUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	4-cell(32Wh) + 3-cell(24Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	10/17



# ThinkPad T580 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor							Dimensions Weight	<i>WxDxH:</i> 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm <i>Integrated model:</i> starting at 4.29 lb / 1.95 kg; <i>Discrete model:</i> starting at 4.39 lb / 1.99 kg														
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types			Processor Graphics													
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620															
	i5-7300U			2.6 GHz	3.5 GHz	3MB																	
	or 8th Generation Intel Core i5 / i7 Processor							Smart card reader	<i>Optional:</i> Smart card reader Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Ports Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>														
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types			Processor Graphics													
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620															
	i5-8350U			1.7 GHz	3.6 GHz	6MB																	
	i7-8550U			1.8 GHz	4.0 GHz	8MB																	
	i7-8650U			1.9 GHz	4.2 GHz	8MB																	
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX150, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Monitor cable (optional)	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter														
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							Camera (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>• IR camera and HD720p camera, fixed focus</li> </ul>														
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle <i>Some:</i> 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle							Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack														
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)							Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad														
Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN <i>Some:</i> 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as storage cache for HDD, mutually exclusive with WWAN							Security chip vPro (optional)	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified														
Optical	None							Fingerprint reader	<i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology														
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							NFC (optional)	Near Field Communication														
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS							Battery	Optional integrated Li-ion 32Wh battery and external Li-ion 24Wh, 48Wh, or 72Wh battery														
WWAN (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)</li> <li>• Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card</li> </ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>							Max battery life (MobileMark® 2014)	<table border="1"> <thead> <tr> <th>Models</th> <th>24Wh</th> <th>48Wh</th> <th>72Wh</th> <th>32Wh + 24Wh</th> <th>32Wh + 48Wh</th> <th>32Wh + 72Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>5.8 hr</td> <td>12.5 hr</td> <td>18.1 hr</td> <td>13.8 hr</td> <td>20.3 hr</td> <td>26.1 hr</td> </tr> </tbody> </table> <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>	Models	24Wh	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh	Max battery life	5.8 hr	12.5 hr	18.1 hr	13.8 hr	20.3 hr	26.1 hr
Models	24Wh	48Wh	72Wh	32Wh + 24Wh	32Wh + 48Wh	32Wh + 72Wh																	
Max battery life	5.8 hr	12.5 hr	18.1 hr	13.8 hr	20.3 hr	26.1 hr																	
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card							AC adapter	45W or 65W USB Type-C AC adapter														
								Preload	Windows® 10 Home 64 or Windows 10 Pro 64														
								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 3-year/1-yr battery depot repair service</li> <li>• 3-year/1-yr battery limited onsite service</li> </ul>														
								Mil-Spec test	MIL-STD-810G military certification														
								Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant														

Note: The specifications above may not be available in all regions.

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20L90018US	US	i5-8250U	No	Intel UHD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L90019US	US	i5-8350U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001AUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001BUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001DUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001FUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001GUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001JUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001KUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001LUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001MUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001NUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001PUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001QUS	US	i5-8350U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001RUS	US	i5-7300U	vPro	Intel HD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	02/18
20L9001SUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	15.6" UHD (3840x2160) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001UUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9001VUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20L9003EUS	US	i5-8350U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L9003FUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal-external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20L9003GUS	US	i7-8550U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L9003HUS	US	i7-8650U	vPro	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L9003JUS	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L9003KUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L9003LUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L90041US	US	i5-8250U	No	Intel UHD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2 + 16GB Optane Memory	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L90042US	US	i5-8350U	vPro	Intel UHD 620	4GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2 + 16GB Optane Memory	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20L90046US	US	i5-8250U	No	Intel UHD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20L90047US	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	500GB 7200rpm Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	08/18
20L90048US	US	i5-7200U	No	Intel HD 620	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	1-year, Depot	08/18
20L9004KUS	US	i7-8650U	vPro	Intel UHD 620	16GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	32Wh + 24Wh	65W USB-C	Win10 Pro 64	3-year, Depot	10/18



# ThinkPad T590 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									Dimensions Weight Case color Case material	<i>WxDxH:</i> 14.40" x 9.76" x 0.79"; 365.8mm x 248.0mm x 19.95mm <i>FHD model:</i> 3.87 lb / 1.75 kg; <i>UHD model:</i> 3.86 lb / 1.75 kg Black <i>Display cover:</i> PPS / 50% GF; <i>Bottom:</i> PA / 50% GF	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics				
	i5-8265U i7-8565U	4	8	1.6 GHz 1.8 GHz	3.9 GHz 4.6 GHz	6MB 8MB	DDR4-2400	Intel UHD Graphics 620				
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX250, 2GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)									Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader MicroSD card reader Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1, one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Chipset Memory	Intel SoC (System on Chip) platform 48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket									Monitor cable <i>(optional)</i>	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter	
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Camera <i>(optional)</i> Audio support	<i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack	
	15.6"	FHD (1920x1080)	IPS	Anti-glare	250 nits	16:9	700:1	45%	170°			
	15.6"	UHD (3840x2160) Dolby Vision™ HDR	IPS	Anti-glare	500 nits	16:9	1200:1	100% Adobe	170°			
Multi-touch <i>(opt)</i>	On-cell touch, supports 10-finger gesture (FHD only)											
Storage	<ul style="list-style-type: none"> <li>• M.2 2280 SSD / SATA 6.0Gb/s</li> <li>• M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>• M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>• Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>										Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Optical	None										Security Security chip vPro <i>(optional)</i> Fingerprint reader NFC <i>(optional)</i>	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest Near Field Communication
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)										Battery Max battery life	Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) <i>MobileMark® 2014:</i> 14.98 hr (9.5 hr for UHD model with discrete graphics) <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>
WLAN <i>(optional)</i> Bluetooth™	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0 Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										AC adapter Preload	45W or 65W USB Type-C AC adapter Windows® 10 Home 64 or Windows 10 Pro 64
WWAN <i>(optional)</i>	<i>One of the following, configurable by model:</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>										Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
											Mil-Spec test	MIL-STD-810G military certification
											Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
March 2019

ThinkPad T590 - TopSeller - 20N4

Product Specifications Reference (PSREF)

Model	Region	Country	Processor	vPro	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	Smart Card Reader	Monitor Cable	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20N4001NUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001PUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001QUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001RUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	128GB SSD M.2 2242 PCIe NVMe	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001SUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	15.6" FHD (1920x1080) IPS 250nits Anti-glare	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001TUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001UUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001WUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	15.6" FHD (1920x1080) IPS 250nits Anti-glare	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N4001XUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N40024US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	None	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N40025US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	10-point Multi-touch	1TB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N40026US	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20N40027US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered + 8GB DIMM	15.6" FHD (1920x1080) IPS 250nits Anti-glare	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19





# ThinkPad X1 Carbon (5<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 / i7 Processor (EMEA has only i5-6300U and i7-6600U)								Smart card reader	None									
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	MicroSD card reader, supports UHS-II microSD card Two USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>									
	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	LPDDR3-1866	Intel HD Graphics 520	Ports										
	i5-6300U			2.4 GHz	3.0 GHz	3MB													
	i7-6500U			2.5 GHz	3.1 GHz	4MB													
	i7-6600U			2.6 GHz	3.4 GHz	4MB													
	or 7th Generation Intel Core i5 / i7 Processor								WiGig dock (opt)	ThinkPad WiGig dock									
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter									
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	Camera (optional)	720p: HD720p resolution, fixed focus IR & 720p: IR camera and HD720p camera									
	i5-7300U			2.6 GHz	3.5 GHz	3MB													
	i7-7500U			2.7 GHz	3.5 GHz	4MB													
	i7-7600U			2.8 GHz	3.9 GHz	4MB													
Graphics	Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Audio support	HD Audio, Conexant® CX11871 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack									
Chipset	Intel SoC (System on Chip) platform								Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight									
Memory	8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets								UltraNav™	TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad									
Display	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle								Security	Power-on password, hard disk password, supervisor password, security keyhole									
Multi-touch	None								Security chip	Discrete TPM 2.0, TCG Certified									
Storage	<i>One of the following, configurable by model:</i> • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)								vPro (optional)	Intel vPro Technology									
Optical	None								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest									
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable								NFC (optional)	Near Field Communication									
WLAN	<i>One of the following, configurable by model (WiGig can coexist with WWAN):</i> • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								Battery	Integrated Li-Polymer 3-cell (57Wh) RapidCharge battery									
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>								Max battery life	MobileMark® 2014: 15.5 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>									
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)								AC adapter	45W or 65W USB Type-C AC adapter									
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								RapidCharge	<table border="1"> <tr> <td>AC adapter</td> <td>45W USB-C</td> <td>65W USB-C</td> </tr> <tr> <td>Charge to 80%</td> <td>Not support</td> <td>1.0 hr</td> </tr> <tr> <td>Charge to 100%</td> <td>Not support</td> <td>2.5 hr</td> </tr> </table>	AC adapter	45W USB-C	65W USB-C	Charge to 80%	Not support	1.0 hr	Charge to 100%	Not support	2.5 hr
AC adapter	45W USB-C	65W USB-C																	
Charge to 80%	Not support	1.0 hr																	
Charge to 100%	Not support	2.5 hr																	
Dimensions	WxDxH: 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm								Preload	Windows® 7 Professional 64 preinstalled <i>Some:</i> Windows 10 Home 64 through downgrade rights in <i>Some:</i> Windows 10 Pro 64 Windows 10 Pro 64 • Lenovo Solution Center • Lenovo PowerEngage • ThinkVantage Product Recovery • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)									
Weight	Starting at 2.49 lb / 1.13 kg								Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service									
Case color	Black or Silver (silver is NOT available in EMEA)								Mil-Spec test	MIL-STD-810G military certification									
Case material	<i>Display cover:</i> CFRP/GFRP hybrid; <i>Bottom:</i> magnesium alloy hybrid								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant									

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HR000DUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000EUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000FUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000GUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000HUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000JUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000KUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000LUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR000MUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR000WUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR0011US	US	i5-7200U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	128GB SSD M.2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR003CUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR003DUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR003EUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	02/17
20HR0053US	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR0057US	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR0058US	US	i7-7500U	No	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	03/17
20HR005FUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	04/17
20HR005HUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	04/17
20HR005KUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	04/17

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HR006HUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006JUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006KUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006LUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006MUS	US	i5-7300U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006NUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006PUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006QUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006RUS	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006SUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006TUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006UUS	US	i7-7600U	vPro	Intel HD 620	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17
20HR006VUS	US	i7-7600U	vPro	Intel HD 620	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 Pro 64	3-year, Depot	07/17

ThinkPad X1 Carbon (5th Gen) - TopSeller - 20K4

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Dock	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20K4001WUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4001XUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4001YUS	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K40020US	US	i7-6600U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K40021US	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002RUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002SUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002TUS	US	i7-6500U	No	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002UUS	US	i5-6200U	No	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	180GB SSD M.2 Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K4002WUS	US	i7-6600U	vPro	Intel HD 520	16GB Soldered	14" WQHD (2560x1440) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20K4002XUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20K4002YUS	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" WQHD (2560x1440) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	None	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17
20K40030US	US	i5-6300U	vPro	Intel HD 520	8GB Soldered	14" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	8260 ac, 2x2 + BT4.1	Sierra EM7455	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell (57Wh)	65W USB-C	Win10 DG Win7 Pro 64	3-year, Depot	07/17



# ThinkPad X1 Carbon (6<sup>th</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

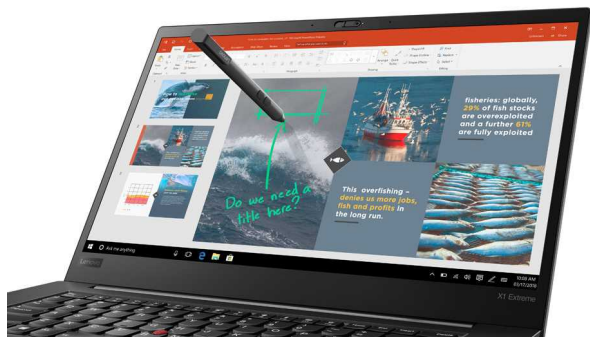
Processor	7th Generation Intel® Core™ i5 Processor								Dimensions	<i>WxDxH:</i> 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 2.49 lb / 1.13 kg
	i5-7300U	2	4	2.6 GHz	3.5 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	Case color	Black or Silver (silver case is NOT available in EMEA)
	or 8th Generation Intel Core i5 / i7 Processor								Case material	<i>Display cover:</i> CFRP/GFRP hybrid; <i>Bottom:</i> magnesium alloy / PPS hybrid
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Smart card reader	None
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	LPDDR3-2133	Intel UHD Graphics 620	Media reader	MicroSD card reader, supports UHS-II
	i5-8350U			1.7 GHz	3.6 GHz	6MB			Ports	Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, microSD card reader, side docking connector, security keyhole
	i7-8550U			1.8 GHz	4.0 GHz	8MB			Monitor cable (optional)	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter
	i7-8650U			1.9 GHz	4.2 GHz	8MB				
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Camera (optional)	<i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus
Chipset	Intel SoC (System on Chip) platform								Audio support	HD Audio, Realtek® ALC3286 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack, Dolby® Atmos™ via headphones
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets * System clocks down for processors with lower memory controller								Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight
Display	<i>One of the following, configurable by model:</i> • 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle • 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle • 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, glossy, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle								UltraNav™	TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Security	Power-on password, hard disk password, supervisor password, security keyhole
Storage	<i>One of the following, configurable by model:</i> • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)								Security chip	Discrete TPM 2.0, TCG Certified
Optical	None								vPro (optional)	Intel vPro Technology
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS								NFC (optional)	Near Field Communication
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable								Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Max battery life	<i>MobileMark® 2014:</i> 19.3 hr * Battery life varies significantly with settings, usage, & other factors
								AC adapter	45W or 65W USB Type-C AC adapter	
								Preload	Windows® 10 Home 64 or Windows 10 Pro 64	
								Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service	
								Mil-Spec test	MIL-STD-810G military certification	
								Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant	

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display(Size, Resolution, Type)	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KH002DUS	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002EUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002FUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" HDR WQHD (2560x1440) IPS Glossy	None	1TB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002GUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Silver	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002JUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002LUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" HDR WQHD (2560x1440) IPS Glossy	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002MUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002NUS	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002PUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002RUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002SUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002TUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002UUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002VUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002WUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18



Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display(Size, Resolution, Type)	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KH002XUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH002YUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KH006XUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH006YUS	US	i7-8550U	No	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0070US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Silver	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0071US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0072US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0073US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0074US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0075US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH0076US	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	Silver	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KH007CUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KH007DUS	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KH007EUS	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	512GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Silver	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KH0083US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" WQHD (2560x1440) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	IR &720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	10/18

Model	Region	Processor	vPro	Graphics	Memory (Soldered)	Display(Size, Resolution, Type)	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Monitor Cable	Adapter	Color	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	War-ranty	Ann Date (m/y)
20KH0084US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	3-year, Depot	10/18
20KHA023US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	14" FHD (1920x1080) IPS AG	None	256GB SSD M.2 PCIe NVMe Opal2	None	8265 ac, 2x2 + BT4.1	None	None	None	None	Black	720p	Backlit	Finger-print Reader	None	dTPM 2.0	57Wh	65W USB-C	Win10 Pro 64	1-year, Depot	04/19



# ThinkPad X1 Extreme Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Smart card reader Media reader Ports Monitor cable (optional) Camera (optional) Audio support Keyboard UltraNav™ Security Security chip vPro (optional) Fingerprint reader Color calibration NFC Battery Max battery life (MobileMark 2014) AC adapter Preload Limited warranty Mil-Spec test Environment
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i5-8300H	4	8	2.3 GHz	4.0 GHz	8MB	DDR4-2666	Intel UHD Graphics 630	
	i5-8400H			2.5 GHz	4.2 GHz				
	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB			
i7-8850H	2.6 GHz			4.3 GHz					
Graphics	Intel UHD Graphics 630 in processor and NVIDIA® GeForce® GTX 1050 Ti Max-Q, 4GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt™; supports four independent displays; Max resolution: 5120x2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)								
Chipset	Mobile Intel CM246 Chipset								
Memory	64GB max / 2666MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle <i>Some:</i> 15.6" (396mm) HDR 4K (3840x2160) with Dolby Vision™, anti-glare, LED backlight, IPS, 400 nits, 16:9 aspect ratio, 1200:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch, anti-reflection (AR)								
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (4K only)								
Pen	Supports pen accessory, please see the accessory compatibility for details								
Storage	<i>Up to 2 drives (two M.2 SSD)</i> • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)								
RAID (optional)	RAID 0/1 support								
Optical	None								
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable								
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
WWAN	None								
SIM card	None								
Dimensions	<i>WxDxH (non-touch):</i> 14.24" x 9.67" x 0.72"; 361.8mm x 245.7mm x 18.4mm <i>WxDxH (multi-ouch):</i> 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm								
Weight	<i>Non-touch model:</i> starting at 3.76 lb (1.7 kg); <i>Multi-touch model:</i> starting at 4.06 lb (1.8 kg)								
Case color	Black								
Case material	<i>Display cover:</i> CFRP/GFRP hybrid; <i>Bottom:</i> Aluminum alloy								

Note: The specifications above may not be available in all regions.

Lenovo  
February 2019

ThinkPad X1 Extreme - TopSeller - 20MF

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display(Size, Resolution, Type)	Multi-touch	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Adapter	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	OS	Warranty	Ann Date (m/y)
20MF000EUS	US	i5-8400H	vPro	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" HDR 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000FUS	US	i7-8750H	No	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000GUS	US	i7-8750H	No	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" HDR 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000HUS	US	i5-8400H	vPro	GTX 1050 Ti 4GB	Intel CM246	8GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000JUS	US	i7-8750H	No	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000KUS	US	i5-8400H	vPro	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000LUS	US	i7-8750H	No	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000MUS	US	i7-8850H	vPro	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" HDR 4K (3840x2160) IPS AR	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000NUS	US	i7-8850H	vPro	GTX 1050 Ti 4GB	Intel CM246	16GBx1	15.6" FHD (1920x1080) IPS	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000PUS	US	i7-8750H	No	GTX 1050 Ti 4GB	Intel CM246	16GBx2	15.6" HDR 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18
20MF000QUS	US	i7-8850H	vPro	GTX 1050 Ti 4GB	Intel CM246	16GBx2	15.6" HDR 4K (3840x2160) IPS AR	10-point Multi-touch	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	None	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	80Wh	135W Slim Tip	Win10 Pro 64	3-year, Depot	08/18



# ThinkPad X270 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 / i7 Processor							Dimensions WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520
	i3-6100U			2.3 GHz	-	3MB		
	i5-6200U			2.3 GHz	2.8 GHz	3MB		
	i5-6300U			2.4 GHz	3.0 GHz	3MB		
	i7-6500U			2.5 GHz	3.1 GHz	4MB		
	i7-6600U			2.6 GHz	3.4 GHz	4MB		
	or 7th Generation Intel Core i3 / i5 / i7 Processor							
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
	i5-7200U			2.5 GHz	3.1 GHz	3MB		
	i5-7300U			2.6 GHz	3.5 GHz	3MB		
	i7-7500U			2.7 GHz	3.5 GHz	4MB		
	i7-7600U			2.8 GHz	3.9 GHz	4MB		

Graphics	Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)
Chipset Memory	Intel SoC (System on Chip) platform 16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket * System clocks down for processors with lower memory controller
Display	Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig
Optical	None
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)
WLAN	One of the following, configurable by model (WiGig is mutually exclusive with WWAN): • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1 • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1 • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1 • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1 (US only)
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS
WWAN (optional)	One of the following, configurable by model (mutually exclusive with WiGig): • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455) • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU) (EMEA only)
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions Weight	WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm				
	Models	No + 3-cell	3-cell + 3-cell	3 + 6-cell	
	Weight	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg	
Case color	Black				
Case material	Display cover: Glass-Fiber Reinforced Plastic; Bottom: Glass-Fiber Reinforced Plastic				
Smart card reader	Optional: Smart card reader				
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)				
Ports	Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), Dock connector * Depending on many factors, actual data transfer speed may be lower than theoretical speed				
WiGig dock (opt)	ThinkPad WiGig dock, mutually exclusive with WWAN (US only)				
Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter				
Camera (optional)	HD720p resolution, fixed focus				
Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack				
Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight				
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad				
Security	Power-on password, hard disk password, supervisor password, security keyhole				
Security chip	Discrete TPM 2.0, TCG Certified				
vPro (optional)	Intel vPro Technology				
Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest				
NFC (optional)	Near Field Communication				
Internal battery	Optional: Integrated Li-ion or Li-Polymer 3-cell (23Wh)				
External battery	Li-ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)				
Max battery life (MobileMark® 2014)	Models	No + 3-cell	3-cell + 3-cell	3-cell + 6-cell 48Wh	3-cell + 6-cell 72Wh
	Max battery life	6.52 hr	13.04 hr	20.1 hr	26.9 hr
	* Battery life varies significantly with settings, usage, & other factors				
AC adapter	45W slim tip AC adapter or 45W USB Type-C AC adapter				
Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64	Some: Windows 10 Home 64 Some: Windows 10 Pro 64			
	• Lenovo Solution Center	• Lenovo Companion			
	• Lenovo PowerEngage	• Lenovo Setting			
	• ThinkVantage Product Recovery	• Microsoft Office preloaded; purchase a product key to activate			
	• ThinkVantage System Update				
	• Adobe® Reader®				
	• Microsoft® Office preloaded; purchase a product key to activate				
	• McAfee® LiveSafe™ (30-day trial)				
Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service				
Mil-Spec test	MIL-STD-810G military certification				
Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant				

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HN001FUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001GUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001HUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001JUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001KUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001LUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" HD (1366x768) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001MUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001NUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001PUS	US	i3-7100U	No	Intel HD 620	4GBx1	12.5" HD (1366x768) IPS	None	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001QUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN001RUS	US	i7-7500U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	02/17
20HN004UUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HN004VUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" HD (1366x768) IPS	None	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	03/17
20HN006AUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006BUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006CUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006DUS	US	i7-7600U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006EUS	US	i5-7300U	vPro	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006FUS	US	i7-7600U	vPro	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006GUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17



Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20HN006HUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006JUS	US	i7-7500U	No	Intel HD 620	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006KUS	US	i5-7200U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	500GB 7200rpm	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17
20HN006VUS	US	i7-7500U	No	Intel HD 620	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 Pro 64	3-year, Depot	08/17

ThinkPad X270 - TopSeller - 20K6

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Dock	Monitor Cable	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+ external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20K6000LUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000MUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000NUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000PUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000QUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000RUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000SUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000TUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	05/17
20K6000UUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" HD (1366x768)	None	500GB 7200rpm	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6000VUS	US	i7-6500U	No	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	None	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	03/17
20K6001AUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001BUS	US	i7-6600U	vPro	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001CUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001DUS	US	i5-6300U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001EUS	US	i7-6500U	No	Intel HD 520	16GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001FUS	US	i5-6200U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001GUS	US	i7-6600U	vPro	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17
20K6001HUS	US	i7-6500U	No	Intel HD 520	8GBx1	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8260 ac, 2x2 + BT4.1	WWAN Upgradable	None	None	None	None	720p	Backlit	Finger-print Reader	None	dTPM 2.0	3-cell(23Wh) + 3-cell(23Wh)	45W Slim Tip	Win10 DG Win7 Pro 64	3-year, Depot	08/17



# ThinkPad X280 Platform Specifications

Product Specifications Reference (PSREF)

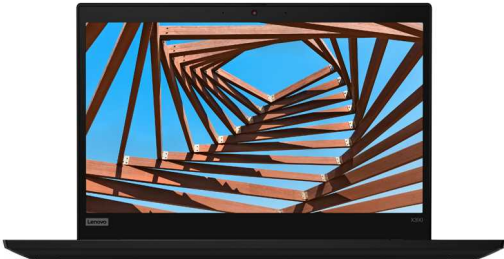
Processor	7th Generation Intel® Core™ i3 / i5 Processor * i3-7130U is NOT available in US and EMEA; i5-7200U is NOT available in US							Dimensions	WxDxH: 12.11" x 8.26" x 0.69-0.70"; 307.7mm x 209.8mm x 17.4-17.8mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	FHD non-touch model: 2.49 lb / 1.13 kg; HD non-touch model: 2.78 lb / 1.26 kg; FHD multi-touch model: 2.79 lb / 1.27 kg
	i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	Case color	Black
	i5-7200U			2.5 GHz	3.1 GHz	3MB			Case material	Display cover: Carbon Fiber (FHD non-touch model) or Glass Fiber (HD & FHD multi-touch model);
	i5-7300U			2.6 GHz	3.5 GHz	3MB			Bottom: Magnesium/Aluminum	
	or 8th Generation Intel Core i3 / i5 / i7 Processor							Smart card reader	Optional: Smart card reader	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	MicroSD card reader, in the combo slot with nano-SIM card
	i3-8130U	4	8	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Ports	Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole
	i5-8250U			1.6 GHz	3.4 GHz	6MB			Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
	i5-8350U			1.7 GHz	3.6 GHz	6MB			Camera (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus
	i7-8550U			1.8 GHz	4.0 GHz	8MB			Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack
	i7-8650U			1.9 GHz	4.2 GHz	8MB			Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Security	Power-on password, hard disk password, supervisor password, security keyhole	
Chipset	Intel SoC (System on Chip) platform							Security chip	Discrete TPM 2.0, TCG Certified	
Memory	4GB, 8GB, or 16GB / 2400MHz DDR4 / soldered to systemboard, no sockets * 4GB memory is NOT available in US and EMEA * System clocks down for processors with lower memory controller							Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology	
Display	Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle							NFC (optional)	Near Field Communication	
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only) * FHD non-touch model is NOT available in US							Battery	Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter MobileMark® 2014: 16.6 hr * Battery life varies significantly with settings, usage, & other factors	
Storage	One of the following, configurable by model: • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)							AC adapter	45W or 65W USB Type-C AC adapter	
Optical	None							Preload	Windows® 10 Home 64 or Windows 10 Pro 64	
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2							Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service	
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS							Mil-Spec test	MIL-STD-810G military certification	
WWAN (optional)	One of the following, configurable by model: • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable							Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant	
SIM card (opt)	Nano-SIM card slot, in the combo slot with microSD card reader, optional Verizon LTE (US) SIM card									

Note: The specifications above may not be available in all regions.

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March 2019

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Adapter	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM (internal+external)	Battery	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KF001TUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" HD (1366x768)	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	None	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF001YUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF0020US	US	i7-8550U	No	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF0021US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF0022US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF0024US	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	12.5" HD (1366x768)	None	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF0025US	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF0029US	US	i5-7300U	vPro	Intel HD 620	8GB Soldered	12.5" HD (1366x768)	None	128GB SSD M.2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF002QUS	US	i7-8550U	No	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF002RUS	US	i7-8550U	No	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF002SUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF002TUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	02/18
20KF005EUS	US	i5-8350U	vPro	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KF005FUS	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KF005GUS	US	i5-8350U	vPro	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18

Model	Region	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Monitor Cable	Adapter	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal+external)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20KF005HUS	US	i7-8650U	vPro	Intel UHD 620	16GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KF005JUS	US	i7-8650U	vPro	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KF005KUS	US	i7-8550U	No	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KF005LUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	Fibocom L850-GL	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	04/18
20KF005QUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" HD (1366x768)	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Non-backlit	None	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KF005RUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" HD (1366x768)	None	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KF005SUS	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	180GB SSD M.2 Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	05/18
20KF005WUS	US	i5-7200U	No	Intel HD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	08/18
20KF0067US	US	i5-8250U	No	Intel UHD 620	8GB Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe Opal2	None	Intel 8265 ac, 2x2 + BT4.1	None	None	None	None	None	Glass Fiber	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	1-year, Depot	04/19



# ThinkPad X390 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor									Dimensions	Models	FHD Non-touch	HD / FHD Multi-touch
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Carbon Fiber		311.9mm x 217.0mm x 16.5mm 12.28" x 8.54" x 0.65"	-	
Graphics	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)	PPS	312.0mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"	312mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB				Models	FHD Non-touch	HD	FHD Multi-touch
	i7-8565U			1.8 GHz	4.6 GHz	8MB				Carbon Fiber	2.70 lb / 1.22 kg	-	-
Chipset Memory	Intel SoC (System on Chip) platform 8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets									Case color	Black		
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Case material	<i>Display cover:</i> Carbon Fiber (FHD non-touch only) or PPS; <i>Bottom:</i> Magnesium/Aluminum		
Multi-touch (opt)	13.3"	HD (1366x768)	TN	Anti-glare	250 nits	16:9	300:1	45%	170°	Smart card reader	Optional: Smart card reader		
	13.3"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	1200:1 (non-touch) 700:1 (multi-touch)	72%	170°	Media reader	MicroSD card reader, in the combo slot with nano-SIM card		
	13.3"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	178°	Ports	Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>		
Storage	On-cell touch, supports 10-finger gesture (FHD only)									Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter		
Optical	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul> None									Bundled Accy	None		
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2									Camera (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>		
WLAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0</li> <li>Intel Wireless-AX 22260, Wi-Fi 2x2 802.11ax + Bluetooth 5.0</li> </ul>									Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack		
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™		
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>									Security	Power-on password, hard disk password, supervisor password, security keyhole		
										Security chip	Discrete TPM 2.0, TCG Certified		
										vPro (optional)	Intel vPro Technology		
										Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest		
										NFC (optional)	Near Field Communication		
										Battery	Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter		
										Max battery life	MobileMark® 2014: 17.6 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>		
										AC adapter	45W or 65W USB Type-C AC adapter		
										Preload	Windows® 10 Home 64 or Windows 10 Pro 64		
										Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>		
										Mil-Spec test	MIL-STD-810G military certification		
										Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant		

Note: The specifications above may not be available in all regions.

Lenovo  
April 2019



ThinkPad X390 - TopSeller - 20Q0

Product Specifications Reference (PSREF)

Model	Region	Country	Processor	vPro	Graphics	Memory	Display (Size, Resolution, Type)	Multi-touch	Storage (HDD/SSD)	WLAN + Bluetooth	WWAN	Smart Card Reader	Monitor Cable	Bundled Accessories	Color	Case Material	Camera	Key-board	Finger-print Reader	NFC	TPM	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
20Q0002SUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q0002TUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	13.3" HD (1366x768) 250nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q0002UUS	NA	US	i7-8565U	No	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q0002VUS	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q0002WUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	512GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q0002XUS	NA	US	i7-8565U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q0002YUS	NA	US	i7-8565U	No	Intel UHD 620	16GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	10-point Multi-touch	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	IR & 720p	Backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19
20Q00030US	NA	US	i5-8265U	No	Intel UHD 620	8GB Soldered	13.3" FHD (1920x1080) IPS 300nits Anti-glare	None	256GB SSD M.2 2280 PCIe NVMe Opal2	Intel 9560 ac, 2x2 + BT5.0	None	None	None	None	Black	PPS	720p	Non-backlit	Finger-print Reader	None	dTPM 2.0	48Wh	65W USB-C	Win10 Pro 64	3-year, Depot	03/19

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#### **Lenovo Services:**

**Carry-in or Mail-in Service:** Parts and labor repair coverage where the customer is responsible for shipping (including packaging) or delivery to authorized warranty provider or repair center.

**Depot or Courier Service:** Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

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**Onsite / In-home Service:** Parts and labor repair coverage where labor is provided onsite at your place of business.

If Lenovo determines your product problem is covered by the product warranty and cannot be resolved over the telephone, a technician will be dispatched to arrive onsite, typically the next day.

**International Warranty Service (IWS):** PC repair coverage for customers who require a critical warranty repair while travelling internationally. Visit [www.lenovo.com/internationalwarranty](http://www.lenovo.com/internationalwarranty) for details. Visit [www.lenovo.com/warranty](http://www.lenovo.com/warranty) for Lenovo Warranty Services terms and conditions for complete details and restrictions.

**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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**Product Specifications Reference**

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**Product Specifications Reference**

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**EMEA**

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# Miix 520 (12") Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Core™ i3 / i5 / i7 Processors								Dimensions	Pad: WxDxH: 11.81" x 8.07" x 0.39"; 300m x 205mm x 9.9mm Keyboard dock: WxDxH: 11.96" x 8.63" x 0.24"; 303.9m x 219.1mm x 6mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics	Weight	Pad: 1.94lb / 0.88kg Keyboard dock: 0.84lb / 0.38kg
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	Case color	Iron grey or platinum
	i3-7100U			2.4 GHz	-			Case material	Magnesium aluminium	
	i3-7130U			2.7 GHz	-			Media reader (opt)	MicroSD card reader, supports up to 2TB (Wifi model only)	
	i3-8130U	4	8	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel HD Graphics 620	Ports	USB 3.1 Gen x 1, USB 3.1 Type C Gen1 x 1 (combine DP 1.2, VGA / HDMI), combo audio jack, AC power adapter jack, optional fingerprint reader
	i5-8250U			1.6 GHz	3.4 GHz			6MB	Camera	Front camera: 5MP resolution, fixed focus Rear camera: 5MP or 8MP resolution, auto focus, support AR (8MP only)
	i7-8550U			1.8 GHz	4.0 GHz			8MB	Intel UHD Graphics 620	Audio support
Graphics	Intel HD Graphics 520, Intel HD Graphics 620 or Intel UHD Graphics 620 in processor								Touchpad (opt)	One-piece multi-touch touchpad
Chipset	Intel SoC (System on Chip) platform								Security chip (opt)	Discrete TPM 2.0, TCG Certified
Memory	16GB max / 2133MHz DDR4, soldered to systemboard System automatically clocks down for the processors with lower memory controller								Fingerprint reader	Optional: fingerprint reader on right side
Widescreen	12.2" (305mm) FHD (1920x1200) color, IPS, LED backlight, 320 nits, 16:10 aspect ratio								Battery	Li-Polymer 2-cell (39Wh)
Multi-touch	Multi-touch (10 fingers)								Max battery	MobileMark® 2014: 8 hrs
Keyboard dock	Optional: detachable folio keyboard with touchpad and optional backlight								AC adapter	45 watts AC adapter
Active pen (opt)	Some: Lenovo® Active Pen 1, battery included on some models Some: Lenovo Active Pen 2 (bluetooth), battery included on some models								Preload	Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 Preloaded applications (only some listed)
M.2 SSD	M.2 SSD / PCIe 3.0x4									<ul style="list-style-type: none"> <li>Lenovo ID</li> <li>Lenovo Settings</li> <li>McAfee LiveSafe™ (30-day trial)</li> <li>Lenovo App Explorer</li> </ul>
Optical	None								Limited warranty	<ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>2-year/1-yr battery depot repair service</li> </ul>
Ethernet	None								Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant
Bluetooth™	Bluetooth 4.1 wireless									
WLAN	Some: 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card Some: 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card									
WWAN (optional)	4G LTE connectivity									
SIM card (opt)	Single Nano-SIM slot (4G model only)									
ALS	None									
eCompass	None									
Hall Sensor	Yes									
G-sensor	Yes									
Gyroscope	Yes									



Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Keyboard Docking	Keyboard	Pen	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	Fingerprint Reader	TPM	Battery	Power Adapter	Operating System	Warranty	Ann Date (mm/yy)
81CG00NBUS	Miix 520-12IKB	NA	US, Canada	i5-8250U	Intel UHD 620	8GB Soldered	12.2" FHD (1920x1200) IPS	10-point Multi-touch	Keyboard Docking	Backlit	Lenovo Active Pen 2	256GB SSD M.2 PCIe	11ac, 2x2 + BT4.1	None	Platinum	5.0MP / 8.0MP	None	dTPM 2.0	2-cell (39Wh)	45W	Windows 10 Home 64	1-year, Depot	11/17



## Miix 630-12Q35 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ 835 (MSM8998) Processor, 64-bit Octa-Core Kryo™ 280 CPU, up to 2.6 GHz, integrated Qualcomm Adreno™ 540 GPU, supports LPDDR4x up to 1866MHz.	Ports	One USB 3.1 Type-C Gen 1 (with the function of DC-in and DisplayPort 1.2), headphone / microphone combo jack, Micro SD / Nano SIM Card slot
Graphics	Qualcomm Adreno 540 GPU in processor	Media reader	One Micro SD Card slot, support SD, SDHC or SDXC
Chipset	Qualcomm SoC (System on Chip) platform	Camera	<i>Front:</i> 5MP resolution and 0.3MP IR camera with windows® Hello supported, fixed focus <i>Rear:</i> 13MP resolution, auto focus
Memory	8GB / 1866MHz LPDDR4x, soldered to systemboard	Audio support	HD Audio, stereo speakers with Dolby® Atoms certification, 1.0W x 2 / dual array microphone, headphone / microphone combo jack
Widescreen	12.3" (312mm) WUVGA+ (1920x1280) color, LED backlight, 400 nits, 3:2 aspect ratio, IPS display	Touchpad	On the keyboard dock
Multi-touch	Multi-touch, support 10 fingers, OGS	Security chip	Firmware TPM 2.0
Keyboard dock	Dock with keyboard and touch pad, backlight	Fingerprint reader	None
Active pen	Lenovo Active Pen, replaceable pen tip and batteries	Battery type	Integrated Li-ion, 48Wh battery
Storage	128GB or 256GB / UFS 2.1	Battery life	Up to 20hrs (base on testing with local video playback)
Optical	None	AC adapter	45 watts USB Type-C AC adapter
Ethernet	None	Preload	Windows 10S (free upgradable to Windows 10 Pro) Preloaded applications (only some listed) <ul style="list-style-type: none"> <li>• Lenovo™ Companion 3.0</li> <li>• Microsoft® LinkedIn</li> <li>• User Guide</li> </ul>
Bluetooth™	Bluetooth 4.1 wireless	Limited warranty	<ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 2-year/1-yr battery depot repair service</li> </ul>
WLAN	11ac wireless, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2, M.2 card	Environment	ENERGY STAR® 6.1; ErP Lot 3; RoHS-compliant
WWAN	4G LTE connectivity		
SIM card	Single Nano-SIM slot, supports eSIM card(technical ready)		
Sensor	Digital compass, Gyroscope, GPS, Hall sensor, Ambient light sensor, Sar sensor		
Dimensions	<i>Pad:</i> WxDxH: 11.54" x 8.27" x 0.29"; 293mm x 210mm x 7.3mm <i>Keyboard dock:</i> WxDxH: 11.11" x 4.24" x 0.13"; 282.2mm x 107.8mm x 3.2mm		
Weight	<i>Pad:</i> 1.7lb / 770g <i>Keyboard dock:</i> 0.37lb / 620g		
Case color	Iron grey		
Case material	<i>Pad:</i> aluminium-CNC <i>Keyboard dock:</i> PC/ABS plastic		

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Miix 630 - 81F1

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Keyboard Docking	Pen	Storage(HDD/SSD)	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	Battery	Power Adapter	OS	Warranty	EAN / UPC	Ann Date (mm/yy)
81F10001US	Miix 630-12Q35	NA	US	Snapdragon 835	Qualcomm Adreno 540	4GB Soldered	12.3" WUVGA+ (1920x1280) IPS	Keyboard Docking	Active Pen	128GB UFS 2.1	11ac, 2x2 + BT4.1	LTE	Iron Grey	5.0MP + IR / 13.0MP	48Wh	45W	Windows 10 S	1-year, Depot	192330235747	05/18



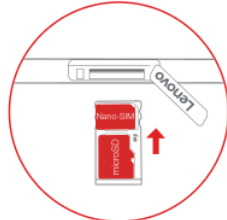
# Lenovo Tab E10 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ 210 Processor <b>APQ8009</b> for WiFi models 32-bit Quad-Core Processor (4xARM Cortex-A7, up to 1.3GHz)	Dimensions	WxHxT (WiFi): 9.7" x 6.7" x 0.35"; 247mm x 171mm x 8.9mm WxHxT (LTE): 9.7" x 6.7" x 0.36"; 247mm x 171mm x 9.15mm
Graphics	Qualcomm Adreno™ 304 graphics in processor	Weight	WiFi model: 1.17 lbs / 530 g LTE model: 1.2 lbs / 546 g
Display	10.1" (256mm) HD (1280x800), IPS display, color gamut 57%, color depth 16.7M, 350 nits	Case color	Slate black
Multi-touch	Capacitive-type multi-touch, support 10-point touch	Case material	Plastic for back cover
Memory	1GB, 2GB or 3GB / LPDDR3, soldered to systemboard	Ports	One Micro USB 2.0, audio combo jack, one MicroSD card slot (WiFi model) or one dual-card slot for SIM card and MicroSD card (LTE model)
Storage	16GB or 32GB eMCP (embedded Multi-Chip Package) flash memory on board	Buttons	Power key, volume key
Card slot	<i>WiFi model</i> : one card slot, support MicroSD card (up to 128GB) <i>LTE model</i> : one dual-card slot, support single Nano-SIM card or Nano-SIM card + MicroSD card (up to 128GB)	Camera	<i>Front camera</i> : 2.0-megapixel, fixed focus <i>Rear camera</i> : 5.0-megapixel, auto focus
		Audio support	Dual speakers with Dolby Atoms®/ single microphone, 3.5mm combo audio / microphone jack
		Keyboard	None
		Touchpad	None
		Security chip	None
		Fingerprint reader	None
		VoiceCall (opt)	None
		Battery type	Li-ion Polymer 4850mAh
		Battery life	Standby Time: Over 750 hrs Online Video playback Time: over 5 hrs Browsing Time: over 6 hrs
		AC adapter	5.2V / 2A AC adapter
		Charging time	5.5 hrs
		Preload	Android® 8.1 Third-party applications <ul style="list-style-type: none"> <li>Google Gmail Go</li> <li>Google Chrome</li> <li>Google Chrome</li> <li>Google Photos</li> <li>Google Calendar</li> <li>Google Files Go</li> <li>Google Assistant Go</li> <li>Google Maps Go</li> <li>Google Play Store</li> <li>Skpye™</li> <li>Micrsoft Outlook</li> <li>Digital Turbine</li> </ul> Lenovo applications <ul style="list-style-type: none"> <li>Contacts</li> <li>FM Radio</li> <li>Camera</li> <li>Weather</li> <li>Clock</li> <li>Calculator</li> <li>Settings</li> </ul>
Ethernet	None	Limited warranty	1-year or 2-year limited warranty
Bluetooth®	Bluetooth 4.0	Environment	RoHS-compliant
WLAN	802.11 b/g/n, single band (2.4GHz)		
WWAN (optional)	4G LTE connectivity		
LTE Band (ROW)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/7/8/20 TDD-LTE: B38/40		
NFC	None		
GPS	ROW: GPS+GLONASS; PRC: GPS+Beidou		
A-GPS	A-GPS (LTE models only)		
FM Radio	FM Radio		
Vibrator	None		
G-sensor	Accelerometer sensor		
P-sensor	None		
L-sensor	None		
E-compass	None		
Hall Sensor	None		
Gyroscope	None		
Proofing	None		



WiFi model



LTE model

Note: The specifications above may not be available in all regions

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October 2018

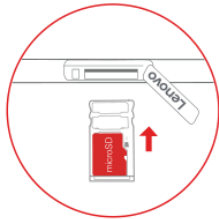
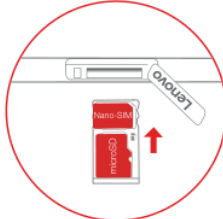
Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	War-ranty	Ann Date (mm/yy)
ZA470006US	Lenovo TB-X104F	NA	US, Canada	APQ8009	Qualcomm Adreno 304	10.1" HD (1280x800) IPS	10-point Multi-touch	2GB Soldered	16GB eMCP	11b/g/n, 1x1 + BT4.0	None	Slate Black	2.0MP / 5.0MP	No	4850mAh	5.2V/2.0A	None	Android 8.1	1-year	12/18





# Lenovo Tab E7 Platform Specifications

Product Specifications Reference (PSREF)

Processor	MediaTek® Processor <b>MT8167A/D</b> for WiFi models - Lenovo TB-7104F 32-bit Quad-Core Processor (ARM Cortex-A35, up to 1.3GHz) <b>MT8321A/D</b> for 3G models - Lenovo TB-7104L 32-bit Quad-Core Processor (ARM Cortex-A7, up to 1.3GHz)	Dimensions	<i>WxHxT</i> : 7.6" x 4.35" x 0.41"; 193.2mm x 110.54mm x 10.35mm
Graphics	WiFi model : Integrated IMG GE8300 GPU 3G model : Integrated ARM Mali-400 GPU	Weight	0.6lbs / 271.7g
Display	7" (178mm) TN (1024x600), color depth 16.7M, color gamut 50%, 250 nits	Case color	Slate black
Multi-touch	Capacitive-type multi-touch, support 5 fingers	Case material	Plastic
Memory	Max 1GB / LPDDR3, soldered to systemboard	Ports	One Micro USB 2.0, audio combo jack, one MicroSD card slot (WiFi model) or Dual cards slot for SIM card and MicroSD card (3G model)
Storage	8GB or 16GB eMCP (embedded Multi-Chip Package) flash memory on board	Camera	<i>Front camera</i> : 0.3-megapixel, VGA <i>Rear camera</i> : 2.0-megapixel, fixed focus
Card slot	<i>WiFi model</i> : MicroSD card slot, support FAT32 up to 128GB <i>3G model</i> : Dual cards slot, support single Nano-SIM card or Nano-SIM card + MicroSD card (up to 128GB)	Audio support	Single speaker / single microphone, 3.5mm combo audio / microphone jack
		Keyboard	None
		Touchpad	None
	WiFi model	Security chip	None
	3G model	Fingerprint reader	None
Ethernet	None	VoiceCall (opt)	Support voice call, only on 3G model
WLAN	802.11 /b/g/n, 1x1, single band (2.4 GHz)	Battery	Li-ion Polymer 2750mAh
Bluetooth®	Bluetooth 4.0	Max battery life	Standby Time : Up to 250 hrs Video (720p) playback Time : 5 hrs Browsing Time: 5 hrs
WWAN (optional)	3G WCDMA connectivity	AC adapter	5V/1A AC adapter
LTE Band	GSM: B2/3/5/8 UMTS: B1/2/5/8	Preload	Android® Oreo (Go Edition) Preloaded applications (only some listed)
NFC	None		<ul style="list-style-type: none"> <li>• Launcher</li> <li>• Phone</li> <li>• Messaging</li> <li>• Contacts</li> <li>• System Update</li> <li>• FM Radio</li> <li>• OOBE</li> <li>• Recorder</li> <li>• Notification Center</li> <li>• Google Calendar</li> </ul>
GPS	GPS (3G model only)	Limited warranty	3-month, 1-year or 2-year limited warranty
A-GPS	A-GPS (3G model only)	Environment	RoHS-compliant
WiFi Direct	WiFi Direct		
WiFi Display	WiFi Display (WiFi model only)		
FM Radio	FM Radio (3G model only)		
Vibrator	Vibrator (3G model only)		
G-sensor	G-sensor		
P-sensor	None		
L-sensor	None		
E-compass	None		
Hall Sensor	None		
Gyroscope	None		
Proofing	None		

Note: The specifications above may not be available in all regions


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Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	War-ranty	Ann Date (mm/yy)
ZA400027US	Lenovo TB-7104F	NA	US, Canada	MT8167A/D	Integrated IMG GE8300 GPU	7" HD (1024x600)	5-point Multi-touch	1GB Soldered	8GB eMCP	11b/g/n, 1x1 + BT4.0	None	Slate Black	0.3MP / 2.0MP	No	2750mAh	5V/1.0A	None	Android Oreo	3-month	04/18
ZA400063US	Lenovo TB-7104F	NA	US, Canada	MT8167A/D	Integrated IMG GE8300 GPU	7" HD (1024x600)	5-point Multi-touch	1GB Soldered	8GB eMCP	11b/g/n, 1x1 + BT4.0	None	Slate Black	0.3MP / 2.0MP	No	2750mAh	5V/1.0A	Back Cover, Film	Android Oreo	3-month	07/18



# Lenovo Tab E8 Platform Specifications

Product Specifications Reference (PSREF)

Processor	MediaTek® <b>MT8163B</b> Processor 64-bit Quad-Core Processor (ARM Cortex-A35, up to 1.3GHz)	Dimensions	<i>WxHxT</i> : 8.22" x 4.84" x 0.38"; 209mm x 123mm x 8.9mm
Graphics	Integrated ARM Mali-T720 MP2 GPU	Weight	0.71lbs / 320g
Display	8" (203mm) HD (1280x800) IPS, color depth 16.7M, color gamut 60%, 350 nits	Case color	Slate black
Multi-touch	Capacitive-type multi-touch, support 10 fingers	Case material	Plastic
Memory	Max 2GB / LPDDR3, soldered to systemboard	Ports	One Micro USB 2.0, audio combo jack, one MicroSD card slot
Storage	Up to 16GB eMCP (embedded Multi-Chip Package) flash memory on board	Camera	<i>Front camera</i> : 2.0-megapixel, fixed focus <i>Rear camera</i> : 5.0-megapixel, auto focus
Card slot	MicroSD card slot, support FAT32 up to 128GB	Audio support	Single front speaker with Dolby Atmos® / single microphone, 3.5mm combo audio / microphone jack
		Keyboard	None
		Touchpad	None
		Security chip	None
		Fingerprint reader	None
		VoiceCall (opt)	Not support
		Battery	Li-ion Polymer 4850mAh
		Max battery life	Standby Time : over 2 weeks Video (720p) playback Time : over 10 hrs Browsing Time: over 10 hrs
		AC adapter	5V/1A AC adapter
		Ethernet	None
		WLAN	802.11 a/b/g/n, 1x1, Dual-Band (2.4GHz & 5GHz)
Bluetooth®	Bluetooth 4.2		
WWAN	None		
NFC	None	Preload Android™ Nougat 7.0 Preloaded applications <ul style="list-style-type: none"> <li>• Dolby Atmos®</li> <li>• File Manager</li> <li>• Google</li> <li>• Google Calendar</li> <li>• Google Chrome</li> <li>• Google Drive</li> <li>• Google Photos</li> <li>• Google Play Store</li> <li>• Google Play Movies &amp; TV</li> <li>• Google Play Music</li> <li>• Google Voice Search</li> <li>• Microsoft Outlook</li> <li>• Skype™</li> <li>• YouTube</li> </ul>	
GPS	GPS		
A-GPS	None		
WiFi Direct	None		
WiFi Display	None		
FM Radio	FM Radio		
Vibrator	None		
G-sensor	G-sensor		
P-sensor	None		
L-sensor	None		
E-compass	None		
Hall Sensor	None		
Gyroscope	None		
Proofing	None		
Limited warranty	1-year or 2-year limited warranty		
Environment	RoHS-compliant		

Note: The specifications above may not be available in all regions

Lenovo  
September 2018

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	Warranty	Ann Date (mm/yy)
ZA3W0031US	Lenovo TB-8304F1	NA	US, Canada	MT8163B	ARM Mali-T720 Graphics	8" HD (1280x800) IPS	10-point Multi-touch	2GB Soldered	16GB eMCP	11a/b/g/n, 1x1 + BT4.2	None	Slate Black	2.0MP / 5.0MP	No	4850mAh	5V/1.0A	None	Android 7.0	1-year	08/18



# Lenovo Tablet 10 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron Processor								Media reader Ports None One USB 3.1 Type-A, one USB 3.1 Type-C Gen 1, one HDMI, headphone / microphone combo jack, one POGO keyboard connector, combo slot of nano-SIM card (WWAN models) and microSD card reader
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory Types	Processor Graphics	
	N4000	2	2	1.1 GHz	2.6 GHz	4MB	LPDDR4-2133	Intel UHD Graphics	
N4100	4	4	1.1 GHz	2.4 GHz	Intel UHD Graphics				
Graphics	Intel UHD Graphics 600 in processor, supports 1080p video out via HDMI™ connector, HDCP-compliant								Camera <i>Front camera:</i> 2.0-megapixel, fixed focus, flash LED <i>Rear camera:</i> 5.0-megapixel, auto focus
Chipset	Intel SoC (System on Chip) platform								Video capture 1080p video capture Audio support Realtek® ALC3240 codec / stereo speakers, 1.0 watt x 2 / 2 digital microphones, combo audio/microphone jack
Memory	<i>Some:</i> 4GB / 2133MHz LPDDR4 <i>Some:</i> 8GB / 2133MHz LPDDR4 <i>All:</i> no sockets, soldered to systemboard								
Display	Some: <b>10.1"</b> (256.5mm) <b>HD (1280x800)</b> , LED backlight, 300 nits, 16:10 aspect ratio, IPS Some: <b>10.1"</b> (256.5mm) <b>WUXGA (1920x1200)</b> , LED backlight, 300 nits, 16:10 aspect ratio, IPS								Pogo Keyboard <i>Optional:</i> Lenovo Tablet 10 travel keyboard
Multi-touch	OGS (One glass solution) Multi-touch screen, supports ten-finger gesture								Security Kensington lock slot Security chip Discrete TPM 2.0 TCG Certified vPro & iAMT None Fingerprint reader Touch style Fingerprint reader NFC <i>Optional:</i> Near Field Communication
Pen	<i>Optional:</i> Lenovo Active Pen for multi-touch display, on-board rechargeable								
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board								Battery - type Lithium polymer, 39Whr
Optical	None								Battery - life up to 9.9 hr
Ethernet	None								AC adapter 45W or 65W USB Type-C AC adapter
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Light sensor None
WLAN	RTL8822BE, 802.11ac, 2x2, WiFi + Bluetooth combo chip								G-sensor 3D accelerometer
WWAN	<i>Optional:</i> Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)								Compass 3D compass
SIM card (Micro)	<i>Optional:</i> Nano-SIM card slot, in the combo slot with microSD card reader								Gyroscope 3D gyrometer
Smart Card Read	None								GPS GPS function is integrated into WWAN module
Dimensions	10.29" x 7.02" x 0.41"; 261mm x 178mm x 10.6mm								Preload <i>Some:</i> Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64
Weight	<i>WiFi only:</i> from 1.46 lb (0.664kg); <i>WiFi + WWAN:</i> from 1.48 lb (0.672kg)								Limited warranty <b>1-year</b> - depot repair service/ service upgrades available
Case color	Black								Mil-Spec test None
Case material	PC and Glass Fiber Reinforced								Environment RoHS, GREENGUARD, Low Halogen, US EPEAT GOLD

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April 2018

Lenovo Tablet 10 - TopSeller - 20L3

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	SIM Card	Camera (Front / Rear)	Keyboard Docking	Pen	Finger-print Reader	NFC	TPM	Operating System	Warranty	Global	Ann Date (m/y)
20L30007US	US	Celeron N4100	Intel UHD 600	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.1	None	None	2.0MP / 5.0MP	Travel Keyboard	Lenovo Active Pen	Finger-print Reader	None	dTPM 2.0	Win10 Pro 64	1-year, Depot	No	04/18
20L30008US	US	Celeron N4100	Intel UHD 600	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.1	Sierra EM7455	None	2.0MP / 5.0MP	Travel Keyboard	Lenovo Active Pen	Finger-print Reader	None	dTPM 2.0	Win10 Pro 64	1-year, Depot	No	04/18
20L3000HUS	US	Celeron N4100	Intel UHD 600	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.1	None	None	2.0MP / 5.0MP	None	Lenovo Active Pen	Finger-print Reader	None	dTPM 2.0	Win10 Pro 64	1-year, Depot	No	04/18
20L3000JUS	US	Celeron N4100	Intel UHD 600	4GB Soldered	10.1" WUXGA (1920x1200) IPS	10-point Multi-touch	128GB eMMC	None	11ac, 2x2 + BT4.1	Sierra EM7455	None	2.0MP / 5.0MP	None	Lenovo Active Pen	Finger-print Reader	NFC	dTPM 2.0	Win10 Pro 64	1-year, Depot	No	04/18





# Lenovo TAB 7 Platform Specifications

Product Specifications Reference (PSREF)

Processor	MediaTek® Processor <b>MT8161</b> for WiFi models 64-bit Quad-Core Processor (ARM Cortex-A53, up to 1.3GHz) <b>MT8735B</b> for LTE models 64-bit Quad-Core Processor (ARM Cortex-A53, up to 1.3GHz)	Dimensions	<i>HxWxD</i> : 7.6" x 3.89" x 0.35"; 193mm x 98.7mm x 8.4mm				
Graphics	Integrated ARM Mali-T720 GPU in processor	Weight	0.57lb / 260g				
Memory	Max 2GB / LPDDR3, soldered to systemboard	Case color	Slate black or polar white				
Display	7" (178mm) IPS (1280x720), color depth 8-bit, color gamut 55%, 350 nits, 16:9 aspect ratio	Case material	Plastic				
Multi-touch	Capacitive-type multi-touch, support 5 fingers	Ports	One Micro USB 2.0, audio combo jack, one MicroSD card slot (WiFi model) or Dual SIM card slot (LTE model)				
Storage	16GB or 32GB eMCP (embedded Multi-Chip Package) flash memory on board	Camera	<i>Front camera</i> : 2.0-megapixel, fixed focus <i>Rear camera</i> : 5.0-megapixel, auto focus				
Card slot	<i>WiFi model</i> : MicroSD card slot, support FAT32 up to 128GB <i>LTE model</i> : Dual Nano-SIM slot, support dual Nano-SIM cards or Nano-SIM card + MicroSD card (up to 128GB)	Audio support	Single speaker / single microphone, combo audio / microphone jack				
Optical	None	Keyboard	None				
Ethernet	None	Touchpad	None				
Bluetooth®	Bluetooth 4.0	Security chip	None				
WLAN	802.11 /b/g/n	Fingerprint reader	None				
WWAN (optional)	4G LTE connectivity	VoiceCall (opt)	Support voice call, only on LTE models				
LTE Band	<table border="1"> <thead> <tr> <th>PRC</th> <th>ROW</th> </tr> </thead> <tbody> <tr> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (narrow band)</td> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40</td> </tr> </tbody> </table>	PRC	ROW	GSM: B2/3/5/8 UMTS: B1/2/5/8 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40	Battery	Li-ion Polymer 1-cell (3500mAh)
PRC	ROW						
GSM: B2/3/5/8 UMTS: B1/2/5/8 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40						
		Max battery life	Up to 20 hrs				
		AC adapter	5V/1A AC adapter				
		Preload	Android® Nougat 7.0 <ul style="list-style-type: none"> <li>• Lenovo® Account</li> <li>• Lenovo Framework</li> <li>• Lenovo User Experience</li> <li>• ePOS</li> <li>• Google Calendar</li> </ul>				
		Limited warranty	1-year or 2-year limited warranty				
		Environment	RoHS-compliant				
NFC	None						
Vibrator	Vibrator (LTE model only)						
G-sensor	G-sensor						
P-sensor	P-sensor (LTE model only)						
L-sensor	L-sensor						
GPS	GPS						
A-GPS	A-GPS (LTE model only)						
E-compass	None						
Hall Sensor	None						
Gyroscope	None						
Proofing	None						

Note: The specifications above may not be available in all regions

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Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	Warranty	Ann Date (mm/yy)
ZA360022US	Lenovo TB-7504F	NA	US	MT8161	ARM Mali-T720 Graphics	7" HD (1280x720) IPS	5-point Multi-touch	1GB LPDDR3 Soldered	16GB eMCP	11b/g/n, 1x1 + BT4.0	None	Black	2.0MP / 5.0MP	No	1-cell (3500mAh)	5V/1.0A	None	Android 7.0	1-year	11/17



# Lenovo TAB 7 Essential Platform Specifications

Product Specifications Reference (PSREF)

Processor	MediaTek® Processor <b>MT8167D</b> for WiFi models 64-bit Quad-Core Processor (ARM Cortex-A35, up to 1.3GHz) <b>MT8735D</b> for 3G/LTE models 64-bit Quad-Core Processor (ARM Cortex-A53, up to 1.1GHz)	Dimensions	HxWxT: 7.67" x 4.02" x 0.35"; 194.8mm x 102mm x 8.8mm
Graphics	WiFi model : Integrated IMG GE8300 3G/LTE model : ARM Mali-T720 GPU in processor	Weight	0.56lb / 254g
Memory	Max 2GB / DDR4 (WiFi model) or LPDDR3 (3G or LTE model), soldered to systemboard	Case color	Black or white
Display	7" (178mm) IPS (1024x600), 16.7M color depth, 55% color gamut, 300nits, 16:9 aspect ratio	Case material	Plastic
Multi-touch	Capacitive-type multi-touch, support 5 fingers	Ports	One Micro USB 2.0, audio combo jack, one MicroSD card slot (WiFi model) or one SIM card slot (3G/LTE model)
Storage	WiFi model : 8GB or 16GB eMMC (embedded Multi Media Card) 3G / LTE model : 8GB or 16GB eMCP (embedded Multi-Chip Package)	Camera	Front camera: 2.0-megapixel, fixed focus Rear camera: 2.0-megapixel, fixed focus
Card slot	WiFi model : MicroSD card slot, support FAT 32 up to 128GB 3G / LTE model : Single Nano-SIM slot, support single SIM card + MicroSD card (up to 128GB)	Audio support	Single speaker / single microphone, receiver (3G / LTE model only) / combo audio / microphone jack
Optical	None	Keyboard	None
Ethernet	None	Touchpad	None
Bluetooth	Bluetooth 4.1 for 3G or LTE model; bluetooth 4.0 for WiFi model	Security chip	None
WLAN	802.11 /b/g/n	Fingerprint reader	None
WWAN	3G WCDMA or 4G LTE connectivity	VoiceCall (opt)	Support voice call, only on 3G / LTE models
Network coverage	3G and LTE model only	Battery	Li-ion Polymer, 1 cell (3450 mAh)
		Battery Life	General Usage : Up to 20 hrs Standby Time : Over 2 weeks Video (720p) playback Time : Over 10 hrs Browsing Time: • WiFi : Over 10 hrs • 3G : Over 10 hrs • LTE : Over 10 hrs
		AC adapter	5V/1A AC adapter
		Preload	Android® Nougat 7.0 • Lenovo® Account • Lenovo Framework • Lenovo User Experience • ePOS • Google Calendar
NFC	None	Limited warranty	1-year or 2-year limited warranty
Vibrator (optional)	Vibrator (3G or LTE model only)	Environment	RoHS-compliant
G-sensor	G-sensor		
P-sensor	None		
L-sensor	None		
GPS	GPS and A-GPS		
E-compass	None		
Hall Sensor	None		
Gyroscope	None		
Proofing	None		

Note: The specifications above may not be available in all regions

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Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	Warranty	Ann Date (mm/yy)
ZA300046US	Lenovo TB-7304F	NA	US, Canada	MT8167D	Integrated IMG GE8300 GPU	7" HD (1024x600) IPS	5-point Multi-touch	1GB DDR4 Soldered	16GB eMMC	11b/g/n, 1x1 + BT4.0	None	Black	2.0MP / 2.0MP	No	1-cell (3450mAh)	5V/1.0A	None	Android 7.0	1-year	11/17
ZA300146US	Lenovo TB-7304F	NA	US, Canada	MT8167D	Integrated IMG GE8300 GPU	7" HD (1024x600) IPS	5-point Multi-touch	1GB DDR4 Soldered	16GB eMMC	11b/g/n, 1x1 + BT4.0	None	Black	2.0MP / 2.0MP	No	1-cell (3450mAh)	5V/1.0A	None	Android 7.0	1-year	09/17



# Lenovo TAB3 10 Platform Specifications

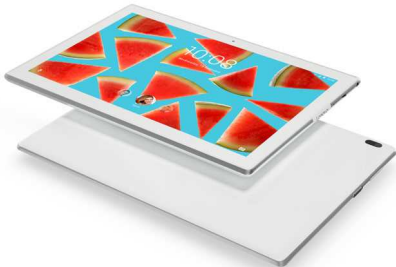
Product Specifications Reference (PSREF)

Processor	MediaTek Processor									Dimensions	<i>WxDxH:</i> 9.72" x 6.73" x 0.35"; 247mm x 171mm x 8.9mm
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory	Processor Graphics	3G/WiFi	Weight <sup>2</sup>	1.12 lb / 0.509kg
	MT8161	4	4	1.3 GHz	1.3 GHz	1MB	LPDDR3	Mali	WiFi	Case color	Slate black or deep blue
	MT8735	4	4	1.3 GHz	1.3 GHz	1MB	LPDDR3	Mali	4G	Case material	<i>Top:</i> polycarbonate
Graphics	ARM Mali Graphics in processor									Media reader	Up to 128GB microSD
Chipset	MTK SoC (System on Chip) platform									Ports	One Micro USB 2.0 for power charge and data synchronize, media reader, optional keyboard / mouse port (via Micro USB 2.0 to T-HUB adapter, sold separately), optional 4-in-1 (SD, MMC, SDXC, SDHC) card reader (via Micro USB 2.0 to T-HUB adapter, sold separately), optional RJ45 port (via Micro USB 2.0 to RJ45 adapter, sold separately), T-HUB adapter are sold separately
Memory	2GB / LPDDR3, soldered to systemboard									Camera	<i>Front camera:</i> 5.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus
Display	10.1" (256.5mm) FHD (1920x1200) color, LCD backlight, 16:10 aspect ratio, IPS display									Audio support	Dual speaker / single microphone, Dolby Atmos <sup>®</sup> audio / combo audio / microphone jack
Multi-touch	Multi-touch, support 10 fingers									Keyboard	None
Storage	16GB or 32GB eMMC (embedded Multi Media Card) flash memory on board									Touchpad	None
Optical	None									Security chip	None
Ethernet	None									Fingerprint reader	None
Bluetooth™	Bluetooth 4.0 wireless									Battery type	Li-ion 2-cell (7000mAh)
WLAN	802.11 a/b/g/n/ac									Battery life	Up to 15 hrs
WWAN (optional)	Optional 4G LTE connectivity									AC adapter	5.2V/2.0A AC adapter
SIM card (opt)	Single micro-SIM slot (4G model only)									Preload	Android 6.0 • SYNCit • SHAREit
NFC	Near Field Communications (NFC)									Limited warranty	1-year limited warranty
Vibrator	Vibrator									Environment	RoHS-compliant
G-sensor	G-sensor										
GPS	WiFi model support GPS, 4G model support A-GPS										
Hall Sensor	Hall Sensor										
Proofing	IP52, Proofing (water, dust, crash)										



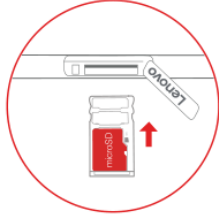
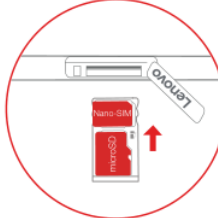
TAB3 10 - ZA0X

Model	Product	Region	Processor	Graphics	Memory (Soldered)	Display	Multi-touch	Storage	Optical	WLAN + Bluetooth	WWAN	Ethernet	Color	Camera (Front / Rear)	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (mm/yy)
ZA0X0018US	TAB3 10	US, Canada	MT8161	ARM Mali Graphics	2GB Soldered	10.1" FHD (1920x1200) IPS	10-point Multi-touch	32GB eMMC	None	11a/b/g/n/ac, 1x1 + BT4.0	None	None	Slate / Black	5.0MP / 8.0MP	None	2-cell (7000mAh)	5.2V/2.0A	Android 6.0	1-year	04/17
ZA0X0047US	TAB3 10	US, Canada	MT8161	ARM Mali Graphics	2GB Soldered	10.1" FHD (1920x1200) IPS	10-point Multi-touch	16GB eMMC	None	11a/b/g/n/ac, 1x1 + BT4.0	None	None	Slate / Black	5.0MP / 8.0MP	None	2-cell (7000mAh)	5.2V/2.0A	Android 6.0	1-year	02/17
ZA0X0212US	TAB3 10	US, Canada	MT8161	ARM Mali Graphics	2GB Soldered	10.1" FHD (1920x1200) IPS	10-point Multi-touch	16GB eMMC	None	11a/b/g/n/ac, 1x1 + BT4.0	None	None	Slate / Black	5.0MP / 8.0MP	None	2-cell (7000mAh)	5.2V/2.0A	Android 6.0	1-year	02/18



# Lenovo TAB4 10 Platform Specifications

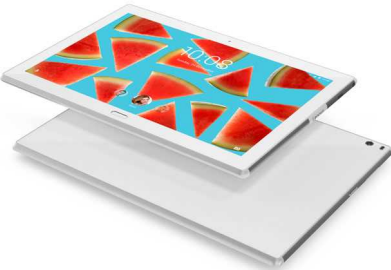
Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ 425 Processor <b>MSM8917</b> for LTE models (TB-X304L): 64-bit Quad-Core Processor (4xARM Cortex-A53, up to 1.4GHz) <b>APQ8017</b> for WiFi models (TB-X304F): 64-bit Quad-Core Processor (4xARM Cortex-A53, up to 1.4GHz)	Dimensions	<i>WxHxT</i> : 9.72" x 6.69" x 0.33"; 247mm x 170mm x 8.5mm				
Graphics	Qualcomm Adreno™ 308 in processor	Weight	1.11lb / 506g				
Memory	2GB LPDDR3, soldered to systemboard	Case color	Slate black or polar white				
Display	10.1" (257mm) HD (1280x800), color depth 8-bit, color gamut 60%, 350 nits, 16:10 aspect ratio, IPS display	Case material	Plastic				
Multi-touch	Multi-touch, support 10 fingers	Ports	One Micro USB 2.0 for power charge and data synchronize, audio combo jack, one MicroSD card slot (WiFi model) or dual cards slot (LTE model)				
Storage	16GB / 32GB eMCP (embedded Multi-Chip Package) flash memory on board	Camera	<i>Front camera</i> : 2.0-megapixel, fixed focus <i>Rear camera</i> : 5.0-megapixel, auto focus				
Optical	None	Audio support	Dual speaker / single microphone, Dolby Atmos® audio, 3.5 mm combo audio / microphone jack				
Card slot	<i>WiFi model</i> : MicroSD card slot, support FAT32 up to 128GB <i>LTE model</i> : Dual cards slot, support single Nano-SIM card or Nano-SIM card + MicroSD card (up to 128GB)	Keyboard	None				
		Touchpad	None				
	WiFi model	Security chip	None				
		Fingerprint reader	None				
	LTE model	Battery type	Li-ion Polymer 2-cell (7000mAh)				
Ethernet	None	Battery life	General Usage : Up to 20 hrs Standby Time : Over 2 weeks Video (720p) playback Time : Over 10 hrs Browsing Time: • WiFi : Over 12 hrs • LTE : Over 13 hrs				
Bluetooth™	Bluetooth 4.0	AC adapter	5.2V/2A AC adapter				
WLAN	802.11 b/g/n, 2.4GHz	Preload	Android™ Nougat 7.1 • Lenovo SYNCit • Lenovo SHAREit • Lenovo Framework • Lenovo User Experience (UE) • Google Calendar • Netflix® • Skype™				
WWAN (optional)	4G LTE connectivity	Limited warranty	1-year or 2-year limited warranty				
LTE Band	<table border="1"> <thead> <tr> <th>PRC</th> <th>ROW</th> </tr> </thead> <tbody> <tr> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (B41 narrow band 100M)</td> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40</td> </tr> </tbody> </table>	PRC	ROW	GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (B41 narrow band 100M)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40	Environment	RoHS-compliant
PRC	ROW						
GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (B41 narrow band 100M)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40						
NFC	None						
Vibrator	Vibrator						
G-sensor	G-sensor						
P-sensor	None						
L-sensor	None						
GPS	ROW: GPS+GLONASS; PRC: GPS+Beidou						
A-GPS	A-GPS (LTE model only)						
E-compass	None						
Hall Sensor	Hall Sensor						
Gyroscope	None						
Proofing	None						

Note: The specifications above may not be available in all regions

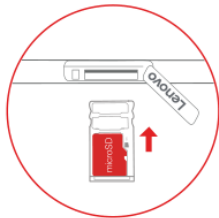
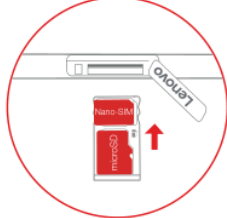
Lenovo  
July 2017

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	War-ranty	Ann Date (mm/yy)
ZA2J0007US	Lenovo TB-X304F	NA	US	APQ 8017	Qualcomm Adreno 308	10.1" HD (1280x800) IPS	10-point Multi-touch	2GB Soldered	16GB eMCP	11b/g/n, 1x1 + BT4.0	None	Slate Black	2.0MP / 5.0MP	No	2-cell (7000mAh)	5.2V/2.0A	None	Android 7.1	1-year	06/17
ZA2J0143US	Lenovo TB-X304F	NA	US, Canada	APQ 8017	Qualcomm Adreno 308	10.1" HD (1280x800) IPS	10-point Multi-touch	2GB Soldered	32GB eMCP	11b/g/n, 1x1 + BT4.0	None	Slate Black	2.0MP / 5.0MP	No	2-cell (7000mAh)	5.2V/2.0A	None	Android 7.1	1-year	04/18



# Lenovo Tab 4 10 Plus Platform Specifications

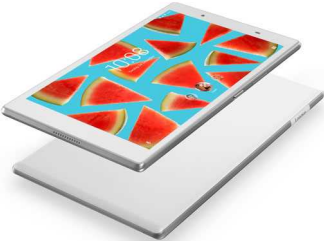
Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ 625 Processor <b>MSM8953</b> for LTE models (TB-X704L): 64-bit Octa-Core Processor (8xARM Cortex-A53, up to 2.0GHz) <b>APQ8053</b> for WiFi models (TB-X704F): 64-bit Octa-Core Processor (8xARM Cortex-A53, up to 2.0GHz)	Dimensions	WxHxT: 9.72" x 6.81" x 0.28"; 247mm x 173mm x 7mm				
Graphics	Integrated Qualcomm Adreno™ 506 GPU in processor	Weight	1.05lb / 475g				
Memory	Max 4GB / LPDDR3, soldered to systemboard	Case color	Black or white				
Display	10.1" (257mm) FHD (1920x1200), color depth 16 million, color gamut 70%, 400 nits, 16:10 aspect ratio, IPS display	Case material	Glass back cover with aluminum frame				
Multi-touch	Capacitive-type multi-touch, support 10 fingers	Ports	One Type-C USB 2.0 (Verizon and ATT sku support USB 3.0), audio combo jack, one MicroSD card slot (WiFi model) or dual cards slot (LTE model)				
Storage	Up to 64GB eMCP (embedded Multi-Chip Package) flash memory on board	NFC	None				
Optical	None	Vibrator	Vibrator				
Card slot	<i>WiFi model:</i> MicroSD card slot, support FAT32 up to 128GB <i>LTE model:</i> Dual cards slot, support single Nano-SIM card or Nano-SIM card + MicroSD card (up to 128GB)	G-sensor	G-sensor				
		P-sensor	None				
		L-sensor	L-sensor				
	WiFi model	GPS	ROW: GPS+GLONASS; PRC: GPS+Beidou				
	LTE model	A-GPS	A-GPS (LTE model only)				
Ethernet	None	E-compass	None				
Bluetooth™	Bluetooth 4.2	Hall Sensor	Hall Sensor				
WLAN	802.11 a/b/g/n/ac, Dual-Band (2.4GHz & 5GHz)	Gyroscope	None				
WWAN (optional)	4G LTE connectivity	Proofing	None				
LTE Band	<table border="1"> <thead> <tr> <th>PRC</th> <th>ROW</th> </tr> </thead> <tbody> <tr> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3/7 TDD-LTE: B38/39/40/41 (narrow band)</td> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40</td> </tr> </tbody> </table>	PRC	ROW	GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3/7 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40	Camera	<i>Front camera:</i> 5.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus
PRC	ROW						
GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3/7 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40						
		Audio support	Dolby Atmos® audio, 3.5mm combo audio / microphone jack, dual front-facing speaker / single microphone				
		Keyboard	None				
		Touchpad	None				
		Security chip	None				
		Fingerprint reader	Fingerprint scanner				
		Battery type	Li-ion Polymer 2-cell (7000mAh)				
		Battery life	General Usage : Up to 20 hrs Standby Time : Over 2 weeks Video (720p) playback Time : Over 12 hrs Browsing Time: • WiFi : Over 12 hrs • LTE : Over 12 hrs				
		AC adapter	5.2V/2A AC adapter				
		Preload	Android™ Nougat 7.1 • Lenovo SYNCit • Lenovo SHAREit • Lenovo Framework • Lenovo User Experience (UE) • Google Calendar • Netflix® • Skype™				
		Limited warranty	1-year or 2-year limited warranty				
		Environment	RoHS-compliant				

Note: The specifications above may not be available in all regions

Lenovo  
August 2018

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN Color	Camera (Front / Rear)	Fingerprint Reader	VoiceCall	Battery	Power Adapter	OS	War-ranty	Ann Date (mm/yy)
ZA2T0000US	Lenovo TB-X704V	NA	US	MSM8953	Qualcomm Adreno 506	10.1" FHD (1920x1200) IPS	10-point Multi-touch	2GB Soldered	16GB eMCP	11a/b/g/n/ac, 1x1 + BT4.2	4G LTE	Slate Black 5.0MP / 8.0MP	Fingerprint Scanner	No	2-cell (7000mAh)	5.2V/2.0A	Android 7.1	1-year	12/17
ZA2T0003US	Lenovo TB-X704V	NA	US	MSM8953	Qualcomm Adreno 506	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMCP	11a/b/g/n/ac, 1x1 + BT4.2	4G LTE	Slate Black 5.0MP / 8.0MP	Fingerprint Scanner	No	2-cell (7000mAh)	5.2V/2.0A	Android 7.1	1-year	12/17





# Lenovo TAB4 8 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ Processor <b>MSM8917</b> for LTE models 64-bit Quad-Core Processor (ARM Cortex-A53, up to 1.4GHz) <b>APQ8017</b> for WiFi models 64-bit Quad-Core Processor (ARM Cortex-A53, up to 1.4GHz)	Dimensions	<i>HxWxD</i> : 8.31" x 4.88" x 0.33"; 211mm x 124mm x 8.3mm				
Graphics	Qualcomm Adreno™ 308 in processor	Weight	0.7lb / 320g				
Memory	2GB / LPDDR3, soldered to systemboard	Case color	Slate black or polar white				
Display	8.0" (203mm) HD (800x1280), color depth 8-bit, color gamut 60%, 350 nits, 16:10 aspect ratio, IPS display	Case material	Plastic				
Multi-touch	Multi-touch, support 10 fingers	Ports	One Micro USB 2.0 for power charge and data sync, audio combo jack, one MicroSD card slot (WiFi model) or Dual SIM card slot (LTE model)				
Storage	16GB eMMC (embedded Multi Media Card) flash memory on board	Camera	<i>Front camera</i> : 2.0-megapixel, fixed focus <i>Rear camera</i> : 5.0-megapixel, auto focus				
Card slot	<i>WiFi model</i> : MicroSD card slot, support FAT32 up to 128GB <i>LTE model</i> : Dual Nano-SIM slot, support dual Nano-SIM cards or Nano-SIM card + MicroSD card (up to 128GB)	Audio support	2 x front -facing speakers / single microphone, Dolby Atmos® audio, 3.5mm combo audio / microphone jack				
Optical	None	Keyboard	None				
Ethernet	None	Touchpad	None				
Bluetooth®	Bluetooth 4.0 wireless, disabled on some models	Security chip	None				
WLAN	802.11 b/g/n, 1x1, single channel (2.4 GHz)	Fingerprint reader	None				
WWAN (optional)	4G LTE connectivity	Bundled software	Master Data Management (MDM), only available on selected model				
LTE Band	<table border="1"> <thead> <tr> <th>PRC</th> <th>ROW</th> </tr> </thead> <tbody> <tr> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (narrow band)</td> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40</td> </tr> </tbody> </table>	PRC	ROW	GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40	VoiceCall (opt)	Support voice call, only on selected LTE models
PRC	ROW						
GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/20 TDD-LTE: B38/40						
		Battery type	Li-ion Polymer 1-cell (4850mAh)				
		Battery life	General Usage : Up to 20 hrs Standby Time : Over 2 weeks Video (720p) playback Time : Over 10 hrs Browsing Time: <ul style="list-style-type: none"> <li>• WiFi : Over 10 hrs</li> <li>• LTE : Over 10 hrs</li> </ul>				
		AC adapter	5V/1A AC adapter				
		Preload	Android® Nougat 7.1 <ul style="list-style-type: none"> <li>• Lenovo SYNCit</li> <li>• Lenovo SHAREit</li> <li>• Lenovo Framework</li> <li>• Lenovo User Experience (UE)</li> <li>• Google Calendar</li> <li>• Netflix®</li> <li>• Skype™</li> </ul>				
NFC	None	Limited warranty	1-year or 2-year limited warranty				
Vibrator	Vibrator	Environment	RoHS-compliant				
G-sensor	G-sensor						
P-sensor	P-sensor (LTE model only)						
L-sensor	L-sensor (LTE model only)						
GPS	ROW: GPS+GLONASS; PRC: GPS+Beidou						
A-GPS	A-GPS (LTE model only)						
E-compass	None						
Hall Sensor	None						
Gyroscope	None						
Proofing	None						

Note: The specifications above may not be available in all regions


Lenovo  
September 2018

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Software	Bundled Accessories	OS	Warranty	Ann Date (mm/yy)
ZA2B0009US	Lenovo TB-8504F	NA	US, Canada	APQ 8017	Qualcomm Adreno 308	8" HD (1280x800) IPS	10-point Multi-touch	2GB Soldered	16GB eMMC	11b/g/n, 1x1 + BT4.0	None	Slate Black	2.0MP / 5.0MP	No	1-cell (4850mAh)	5V/1.0A	None	None	Android 7.1	1-year	06/17



# Lenovo TAB 4 8 Plus Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ 625 Processor <b>MSM8953</b> for LTE models (TB-8704X / TB-8704N / TB-8704V): 64-bit Octa-Core Processor (8xARM Cortex-A53, up to 2.0GHz) <b>APQ8053</b> for WiFi models (TB-8704F): 64-bit Octa-Core Processor (8xARM Cortex-A53, up to 2.0GHz)	Dimensions	<i>HxWxT</i> <table border="1"> <tr> <th>Lenovo TB-8704F, TB-8704X, TB-8704N</th> <th>Lenovo TB-8704V</th> </tr> <tr> <td>8.29" x 4.84" x 0.28"</td> <td>8.29" x 4.84" x 0.3"</td> </tr> <tr> <td>210.6mm x 123mm x 7mm</td> <td>210.6mm x 123mm x 7.7mm</td> </tr> </table>	Lenovo TB-8704F, TB-8704X, TB-8704N	Lenovo TB-8704V	8.29" x 4.84" x 0.28"	8.29" x 4.84" x 0.3"	210.6mm x 123mm x 7mm	210.6mm x 123mm x 7.7mm
Lenovo TB-8704F, TB-8704X, TB-8704N	Lenovo TB-8704V								
8.29" x 4.84" x 0.28"	8.29" x 4.84" x 0.3"								
210.6mm x 123mm x 7mm	210.6mm x 123mm x 7.7mm								
Graphics	Integrated Qualcomm Adreno™ 506 GPU in processor	Weight	0.66lb / 300g						
Memory	Max 4GB / LPDDR3, soldered to systemboard	Case color	Black or white						
Display	8.0" (203mm) FHD (1920x1200), color depth 16.7 million, color gamut 60%, 16:10 aspect ratio, IPS display, 390 nits	Case material	Glass and plastic						
Multi-touch	Multi-touch, support 10 fingers	Ports	One Type-C (USB 3.0: TB-8704V only or USB 2.0: other models) for power charge and data synchronize, one MicroSD card slot (WiFi model) or Dual cards slot (LTE model), audio combo jack						
Storage	16GB or 64GB eMMC (embedded Multi Media Card) flash memory on board	Camera	<i>Front camera:</i> 5.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus						
Optical	None	Audio support	Dual speaker / single microphone, Dolby Atmos® audio / combo audio / microphone jack						
Card slot	<i>TB-8704F:</i> MicroSD card slot, support FAT32 up to 128GB <i>TB-8704V:</i> Dual cards slot, support single Nano-SIM card or Nano-SIM card + MicroSD card (up to 128GB) <i>TB-8704X / TB-8704N:</i> Dual Nano-SIM slot, support dual Nano-SIM cards or Nano-SIM card + MicroSD card (up to 128GB)	Active pen	Support active pen						
		Keyboard	None						
		Touchpad	None						
		Security chip	None						
		Fingerprint reader	Fingerprint scanner						
		VoiceCall (opt)	Support voice call, only on LTE models						
		Battery type	Li-ion Polymer 1-cell (4850mAh)						
		Battery life	General Usage : Up to 20 hrs Standby Time : Over 2 weeks Video (720p) playback Time : Over 8 hrs Browsing Time: <ul style="list-style-type: none"> <li>• WiFi : Over 8 hrs</li> <li>• LTE : Over 8 hrs</li> </ul>						
Ethernet	None	AC adapter	5.2V/2A AC adapter						
Bluetooth™	Bluetooth 4.2 wireless	Preload	Android® Nougat 7.1 <ul style="list-style-type: none"> <li>• Lenovo SYNCit</li> <li>• Lenovo SHAREit</li> <li>• Lenovo Framework</li> <li>• Lenovo User Experience (UE)</li> <li>• Google Calendar</li> <li>• Netflix®</li> <li>• Skype™</li> </ul>						
WLAN	802.11 a/b/g/n/ac, Dual-Band (2.4GHz & 5GHz)								
WWAN (optional)	4G LTE connectivity								
LTE Band	<table border="1"> <thead> <tr> <th>PRC</th> <th>ROW</th> </tr> </thead> <tbody> <tr> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3/7 TDD-LTE: B38/39/40/41 (narrow band)</td> <td>GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40</td> </tr> </tbody> </table>	PRC	ROW	GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3/7 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40				
PRC	ROW								
GSM: B2/3/5/8 UMTS: B1/2/5/8 CDMA/EVDO: BC0 TD-SCDMA: B34/39 FDD-LTE: B1/3/7 TDD-LTE: B38/39/40/41 (narrow band)	GSM: B2/3/5/8 UMTS: B1/2/5/8 FDD-LTE: B1/2/3/4/5/7/8/20 TDD-LTE: B38/40								
NFC	None	Limited warranty	1-year or 2-year limited warranty						
G-sensor	G-sensor	Environment	RoHS-compliant						
P-sensor	P-sensor (TB-8704X / TB-8704N only)								
L-sensor	L-sensor								
GPS	ROW: GPS+GLONASS; PRC: GPS+Beidou								
A-GPS	A-GPS (TB-8704X / TB-8704N / TB-8704V only)								
E-compass	None								
Hall Sensor	Hall sensor								
Gyroscope	None								
Proofing	Yes (TB-8704V only)								
Vibrator	Vibrator								

Note: The specifications above may not be available in all regions

Lenovo  
July 2018

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	Warranty	Ann Date (mm/yy)
ZA2H0000US	Lenovo TB-8704V	NA	US	MSM8953	Qualcomm Adreno 506	8" HD (1920x1200) IPS	10-point Multi-touch	2GB Soldered	16GB eMMC	11a/b/g/n/ac, 1x1 + BT4.2	4G LTE	Slate Black	5.0MP / 8.0MP	No	1-cell (4850mAh)	5.2V/2.0A	None	Android 7.1	1-year	10/17



# Yoga 720 (12") Platform Specifications - 12IKB

Product Specifications Reference (PSREF)

Processor	Intel® Pentium® Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor								Media reader Ports	None One USB 3.1 Gen 1 (USB 3.0, Always On), one USB 3.1 Type-C Gen 1 (with the function of DisplayPort), headphone / microphone combo jack
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Camera Audio support	720p HD, 1.0MP resolution, fixed focus HD Audio, Conexant CX11802 codec / HARMAN speakers with Dolby® Atmos™ certification, 1.5W x 2 / dual array microphone, headphone / microphone combo jack
	Pen 4415U	2	4	2.3 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610		
	i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620		
	i5-7200U			2.5 GHz	3.1 GHz	3MB				
i7-7500U	2.7 GHz			3.5 GHz	4MB					
Graphics	Intel HD Graphics 610 or 620 in processor supports external digital monitor via USB Type-C; Max resolution: 3840x2160@60Hz (USB Type-C)								Keyboard Touchpad	6-row, multimedia Fn keys, optional LED backlight buttonless Mylar surface multi-touch touchpad
Chipset	Intel SoC (System on Chip) platform								Security Security chip	Supervisor password, power-on password, hard-disk password
Memory	12GB max / 2133MHz DDR4, soldered to systemboard								Fingerprint reader	Firmware TPM 2.0 integrated in chipset Touch style fingerprint reader on the palm rest
Display	12.5" (317.5mm) FHD (1920x1080), anti-glare or glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio								Light sensor	Ambient light sensor
Multi-touch	One Glass Solution, supports 10-finger gesture								G-sensor	Accelerometer
Multi-mode	4 modes: notebook, tablet, stand and tent; 360° hinge								TV tuner	None
Pen (optional)	Lenovo Active Pen, replaceable pen tip and batteries								E-Compass	None
Storage	M.2 SSD / SATA 6.0Gb/s								Gyroscope	None
Optical	None								Battery	Integrated Li-Polymer 3-cell (36Wh)
Ethernet	None								Max battery life	MobileMark® 2014: 8 hr
WLAN	One of the following, configurable by model: • 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card • 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								AC adapter	45W or 65W AC adapter
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
Dimensions	WxDxH: 11.54" x 8.01" x 0.62"; 293mm x 203.4mm x 15.75mm								Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 2-year/1-yr battery depot repair service
Weight	Starting at 1.15 kg (2.5 lb)								Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant
Case color	Platinum or iron grey									
Case material	Display cover: Magnesium/Aluminum Bottom: PC/ABS plastic									

Note: The specifications above may not be available in all regions.

Lenovo  
July 2018

# Yoga 720 (12") - 81B5

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	Ethernet	WLAN + Bluetooth	Color Camera	Microphone	Keyboard	Finger-print Reader	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)	
81B5003PUS	Yoga 720-12IKB	NA	US, Canada	i7-7500U	Intel HD 620	8GB DDR4-2133 Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2	None	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	3-cell (36Wh)	65W	Windows 10 Home 64	1-year, Depot	10/17
81B5003QUS	Yoga 720-12IKB	NA	US	i3-7100U	Intel HD 620	4GB DDR4-2133 Soldered	12.5" FHD (1920x1080) IPS Glossy	10-point Multi-touch	128GB SSD M.2	None	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	3-cell (36Wh)	65W	Windows 10 Home 64	1-year, Depot	06/18
81B5003RUS	Yoga 720-12IKB	NA	US, Canada	i5-7200U	Intel HD 620	8GB DDR4-2133 Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2	None	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	3-cell (36Wh)	65W	Windows 10 Home 64	1-year, Depot	10/17
81B5003SCF	Yoga 720-12IKB	NA	Canada	i5-7200U	Intel HD 620	8GB DDR4-2133 Soldered	12.5" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2	None	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	3-cell (36Wh)	65W	Windows 10 Home 64	1-year, Depot	10/17





# Yoga 720 (13") Platform Specifications - 13IKB / 13IKBR

Product Specifications Reference (PSREF)

Processor	7th or 8th Generation Intel® Core™ i5 / i7 Processor								Media reader Ports	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	One USB 3.1 Type-C Gen 2 / Thunderbolt, one USB 3.1 Type-C Gen 1, one USB 3.1 Gen 1 (Always On), headphone / microphone combo jack <b>USB-C to VGA:</b> Lenovo USB-C to VGA Adapter <b>USB-C to HDMI:</b> Lenovo USB-C to HDMI Adapter	
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620		
	i7-7500U			2.7 GHz	3.5 GHz	4MB				
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620		
i7-8550U	1.8 GHz			4.0 GHz	8MB					
Graphics	<b>13IKB:</b> Intel HD Graphics 620 in processor <b>13IKBR:</b> Intel UHD Graphics 620 in processor; supports external digital monitor via USB Type-C; Max resolution: 3840x2160@60Hz (USB Type-C)								Camera Audio support	720p HD, 1.0MP resolution, fixed focus HD Audio, Conexant® CX11870 codec / JBL speakers with Dolby® Atmos™ certification, 1W x 2 / dual array microphone, headphone / microphone combo jack
Chipset	Intel SoC (System on Chip) platform								Keyboard	6-row, multimedia Fn keys, LED backlight
Memory	<b>13IKB:</b> 16GB max / 2133MHz DDR4, soldered to systemboard <b>13IKBR:</b> 16GB max / 2400MHz DDR4, soldered to systemboard								Touchpad	buttonless multi-touch touchpad
Display	<i>Some:</i> 13.3" (338mm) FHD (1920x1080), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut <i>Some:</i> 13.3" (338mm) 4K (3840x2160), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut								Security	Supervisor password, power-on password
	Multi-touch	One Glass Solution, supports 10-finger gesture, anti-scratch surface								Security chip
Multi-mode	4 modes: notebook, tablet, stand and tent; 360° hinge								Fingerprint reader	Touch style fingerprint reader on the palm rest
Pen (optional)	Lenovo Active Pen 2, with replaceable battery or without battery (battery need to be purchased separately for the models without battery)								Light sensor	Ambient Light Sensor
Storage	M.2 SSD / PCIe 3.0 x 4								G-sensor	Accelerometer
Optical	None								TV tuner	None
Ethernet	None								E-Compass	None
WLAN	11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								Gyroscope	None
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery	Integrated Li-Ion 48Wh battery
Dimensions	<i>WxDxH:</i> 12.2" x 8.4" x 0.39"-0.56"; 310mm x 213mm x 10-14.3mm								Max battery life	<i>MobileMark® 2014:</i> 10.5 hr (FHD model) / 9.5 hr (4K model)
Weight	Starting at 1.25 kg / 2.76 lb								AC adapter	45W AC adapter
Case color	Platinum silver, copper, or iron grey								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
Case material	<i>Display cover:</i> Aluminum; <i>Bottom:</i> Aluminum								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 2-year/1-yr battery depot repair service</li> </ul>
									Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
October 2018

Yoga 720 (13") - 80X6

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Pen	Monitor Cable	WLAN + Bluetooth	Color	Camera	Micro-phone	Keyboard	Finger-print Reader	Battery (internal)	Power Adapter	OS	Warranty	Ann Date (m/y)
80X6002KUS	Yoga 720-13IKB	NA	US, Canada	i5-7200U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	08/17
80X60066US	Yoga 720-13IKB	NA	US	i5-7200U	Intel HD 620	4GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	04/17
80X60067US	Yoga 720-13IKB	NA	US, Canada	i7-7500U	Intel HD 620	16GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	04/17
80X60068US	Yoga 720-13IKB	NA	US, Canada	i5-7200U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	04/17
80X6009MCF	Yoga 720-13IKB	NA	Canada	i5-7200U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	04/17
80X6009NCF	Yoga 720-13IKB	NA	Canada	i7-7500U	Intel HD 620	16GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	04/17
80X6009PCF	Yoga 720-13IKB	NA	Canada	i5-7200U	Intel HD 620	4GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	128GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	04/17
80X600AJUS	Yoga 720-13IKB	NA	US, Canada	i7-7500U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	06/17
80X600APUS	Yoga 720-13IKB	NA	US, Canada	i7-7500U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	06/17
80X600AQUS	Yoga 720-13IKB	NA	US, Canada	i7-7500U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	06/17
80X600F9US	Yoga 720-13IKB	NA	US, Canada	i7-7500U	Intel HD 620	16GB DDR4-2133 Soldered	13.3" UHD (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe	Active Pen 2(Battery)	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	07/17
80X600G6CF	Yoga 720-13IKB	NA	Canada	i7-7500U	Intel HD 620	16GB DDR4-2133 Soldered	13.3" UHD (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe	Active Pen 2(Battery)	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Pro 64	1-year, Depot	07/17
80X600HEUS	Yoga 720-13IKB	NA	US, Canada	i7-7500U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" UHD (3840x2160) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Copper	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	01/18
80X600HFUS	Yoga 720-13IKB	NA	US, Canada	i5-7200U	Intel HD 620	8GB DDR4-2133 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	01/18

Yoga 720 (13") - 81C3

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Pen	Monitor Cable	WLAN + Bluetooth	Color	Camera	Micro-phone	Keyboard	Finger-print Reader	Battery (internal)	Power Adapter	OS	Warranty	Ann Date (m/y)
81C3005PUS	Yoga 720-13IKBR	NA	US, Canada	i7-8550U	Intel UHD 620	16GB DDR4-2400 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	09/17
81C3005QUS	Yoga 720-13IKBR	NA	US, Canada	i7-8550U	Intel UHD 620	16GB DDR4-2400 Soldered	13.3" UHD (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe	Active Pen 2(Battery)	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	12/17
81C3005RUS	Yoga 720-13IKBR	NA	US, Canada	i7-8550U	Intel UHD 620	8GB DDR4-2400 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	12/17
81C3005SUS	Yoga 720-13IKBR	NA	US, Canada	i5-8250U	Intel UHD 620	8GB DDR4-2400 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	09/17
81C30071CF	Yoga 720-13IKBR	NA	Canada	i7-8550U	Intel UHD 620	8GB DDR4-2400 Soldered	13.3" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	12/17
81C300C6US	Yoga 720-13IKBR	NA	US, Canada	i7-8550U	Intel UHD 620	16GB DDR4-2400 Soldered	13.3" UHD (3840x2160) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	None	11ac, 2x2 + BT4.1	Platinum Silver	720p	Dual Array	Backlit	Finger-print Reader	4-cell (48Wh)	45W	Win10 Home 64	1-year, Depot	08/18



# Yoga 730 (13") Platform Specifications - 13IKB / 13IWL

Product Specifications Reference (PSREF)

Processor	13IKB: 8th Generation Intel® Core™ i5 / i7 Processor								Media reader Ports	None	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Two USB 3.1 Type-C Gen 1 / Thunderbolt 3, one USB 3.1 Gen 1 (Always On), headphone / microphone combo jack <i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter <i>USB-C to HDMI:</i> Lenovo USB-C to HDMI Adapter		
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620			
	i7-8550U			1.8 GHz	4.0 GHz	8MB					
Graphics	13IWL: 8th Generation Intel Core i5 / i7 Processor								Monitor cable (optional)	720p HD, 1.0MP resolution, fixed focus	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	HD Audio, Conexant® CX11870 codec / JBL speakers with Dolby® Atmos™ certification, 2.5W x 2 / dual array microphone, headphone / microphone combo jack		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620			
	i7-8565U			1.8 GHz	4.6 GHz	8MB					
Chipset Memory	Intel SoC (System on Chip) platform								Camera Audio support	6-row, multimedia Fn keys, LED backlight	
	4GB (13IKB only), 8GB, or 16GB / 2400MHz DDR4, soldered to systemboard								Keyboard Touchpad	buttonless glass surface multi-touch touchpad	
	Display	Some: 13.3" (338mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut								Security Security chip	Supervisor password, power-on password
		Some: 13.3" (338mm) 4K (3840x2160), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut								Fingerprint reader	Firmware TPM 2.0 integrated in chipset Touch style fingerprint reader on the palm rest
Multi-touch	Capacitive-type multi-touch, One Glass Solution, supports 10-finger gesture, anti-scratch surface								Light sensor	None	
	Multi-mode Pen (optional)	4 modes: notebook, tablet, stand and tent; 360° hinge								G-sensor	Accelerometer
Storage		M.2 SSD / PCIe 3.0 x 4								TV tuner	None
	Optical	None								E-Compass	None
Ethernet		None								Gyroscope	3D gyrometer
	WLAN	11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								Battery	Integrated Li-Ion 48Wh battery
Bluetooth™		Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Max battery life	MobileMark® 2014: 11.5 hr
	Dimensions	WxDxH: 12.08" x 8.52" x 0.55-0.56"; 306.8mm x 216.3mm x 13.9-14.1mm								AC adapter	65W USB Type-C AC adapter
Weight		Starting at 1.12 kg / 2.47 lb								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
	Case color	Platinum silver, iron grey, or copper (copper for 13IKB only)								Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 2-year/1-yr battery depot repair service
Case material		Display cover: Aluminum;								Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant
	Bottom: Aluminum										

Note: The specifications above may not be available in all regions.

Lenovo  
January 2019

# Yoga 730 (13") Intel - 81CT

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Color Camera	Micro-phone	Keyboard	Finger-print Reader	Monitor Cable	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)	
81CT001QUS	Yoga 730-13IKB	NA	US	i5-8250U	Intel UHD 620	8GB DDR4-2400 Soldered	3.3" FHD (1920x1080) IPS AG	10-point Multi-touch	128GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	None	48Wh	65W	Windows 10 Home 64	1-year, Depot	02/18
81CT001RUS	Yoga 730-13IKB	NA	US	i7-8550U	Intel UHD 620	8GB DDR4-2400 Soldered	3.3" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	None	48Wh	65W	Windows 10 Home 64	1-year, Depot	02/18
81CT001SUS	Yoga 730-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB DDR4-2400 Soldered	3.3" FHD (1920x1080) IPS AG	10-point Multi-touch	512GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	None	None	48Wh	65W	Windows 10 Home 64	1-year, Depot	02/18





# Yoga 730 (15") Platform Specifications - 15IKB / 15IWL

Product Specifications Reference (PSREF)

Processor	15IKB: 8th Generation Intel® Core™ i5 / i7 Processor								Media reader Ports None One USB 3.1 Type-C Gen 1 / Thunderbolt 3, two USB 3.1 Gen 1 (one Always On), HDMI, headphone / microphone combo jack Monitor cable (optional) USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to HDMI: Lenovo USB-C to HDMI Adapter
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	
	i7-8550U			1.8 GHz	4.0 GHz	8MB			
Processor	15IWL: 8th Generation Intel Core i5 / i7 Processor								Camera 720p HD, 1.0MP resolution, fixed focus Audio support HD Audio, Conexant® CX11870 codec / JBL speakers with Dolby® Atmos™ certification, 2.5W x 2 / dual array microphone, headphone / microphone combo jack
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	
	i7-8565U			1.8 GHz	4.6 GHz	8MB			
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® GTX 1050, 2GB or 4G GDDR5 memory; supports external digital monitor via USB Type-C or HDMI; Max resolution: 3840x2160@30Hz (USB Type-C); 3840x2160@30Hz (HDMI)								Keyboard 6-row, multimedia Fn keys, LED backlight Touchpad buttonless glass surface multi-touch touchpad
	Security	Supervisor password, power-on password Security chip Firmware TPM 2.0 integrated in chipset Fingerprint reader Touch style fingerprint reader on the palm rest							
Chipset	Intel SoC (System on Chip) platform								Light sensor None G-sensor Accelerometer TV tuner None E-Compass None Gyroscope 3D gyrometer
Memory	16GB max / 2400MHz DDR4, dual-channel capable, 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket								
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut Some: 15.6" (396mm) 4K (3840x2160), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut								Battery Integrated Li-Ion 51.5Wh battery Max battery life MobileMark® 2014: 11 hr (FHD model) / 9 hr (4K model) AC adapter 65W or 90W USB Type-C AC adapter
Multi-touch	Capacitive-type multi-touch, One Glass Solution, supports 10-finger gesture, anti-scratch surface								
Multi-mode	4 modes: notebook, tablet, stand and tent; 360° hinge								Preload Windows® 10 Home 64 or Windows 10 Pro 64
Pen (optional)	Lenovo Active Pen 2, with replaceable battery or without battery (battery need to be purchased separately for the models without battery)								
Storage	M.2 SSD / PCIe 3.0 x 4								Environment EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant
Optical	None								
Ethernet	None								
WLAN	11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Dimensions	WxDxH: 14.17" x 9.8" x 0.67 - 0.68"; 360mm x 249mm x 16.95 - 17.15mm								
Weight	Starting at 1.89 kg / 4.17 lb								
Case color	Platinum silver or iron grey								
Case material	Display cover: Aluminum; Bottom: Aluminum								

Note: The specifications above may not be available in all regions.

Lenovo  
January 2019

# Yoga 730 (15") Intel - 81CU

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory (Soldered +DIMM)	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Color	Camera	Micro-phone	Key-board	Finger-print Reader	Monitor Cable	Pen	Battery (internal)	Power Adapter	OS	Warranty	Ann Date (m/y)
81CU000SUS	Yoga 730-15IKB	NA	US, Canada	i7-8550U	GTX 1050 4GB	8GB Soldered + 8GB DIMM DDR4-2400	15.6" 4K (3840x2160) IPS Glossy	10-point Multi-touch	1TB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	None	None	51.5Wh	90W	Win10 Home 64	1-year, Depot	09/18
81CU000UUS	Yoga 730-15IKB	NA	US	i5-8250U	GTX 1050 4GB	8GB Soldered DDR4-2400	15.6" FHD (1920x1080) IPS AG	10-point Multi-touch	256GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	None	None	51.5Wh	90W	Win10 Home 64	1-year, Depot	02/18



# Yoga 920 (14") Platform Specifications - 13IKB / 13IKB Glass

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Media reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Ports	One USB 3.1 Gen 1 (Always On), two USB 3.1 Type-C Gen 1, headphone / microphone combo jack
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	Camera	720p HD, 1.0MP resolution, fixed focus
i7-8550U	1.8 GHz			4.0 GHz	8MB	Audio support			HD audio, JBL branded stereo speaker with Dolby® Audio Premium, 2W x 2, dual array microphone, headphone / microphone combo jack	
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via USB Type-C; Max resolution: 3840x2160@60Hz (USB Type-C)								Keyboard	6-row, multimedia Fn keys, LED backlight
Chipset	Intel SoC (System on Chip) platform								Touchpad	buttonless glass surface multi-touch touchpad
Memory	16GB max / 2400MHz DDR4, soldered to systemboard, no sockets								Security	Administrator password and user password supported
Display	<i>Some:</i> 13.9" (353mm) FHD (1920x1080), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut (13IKB only) <i>Some:</i> 13.9" (353mm) 4K (3840x2160), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut								Security chip	None
Multi-touch	Capacitive-type multi-touch, supports 10-finger gesture								Fingerprint reader	Touch style fingerprint reader on the palm rest
Multi-mode									4 modes: notebook, tablet, stand and tent; 360° watchband hinge	
Pen (opt)	Lenovo Active Pen 2, with replaceable battery or without battery (battery need to be purchased separately for the models without battery)								G-sensor	Accelerometer
Storage	M.2 SSD / PCIe 3.0 x 4								TV tuner	None
Optical	None								E-Compass	None
Ethernet	None								Gyroscope	None
WLAN	11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								Battery	Integrated Li-Ion 70Wh battery
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Max battery life	MobileMark® 2014: 10.8 hr (4K model) or 15.5 hr (FHD model)
Dimensions	<i>WxDxH:</i> 12.71" x 8.80" x 0.55"; 323mm x 223.5mm x 13.95mm <i>13IKB:</i> starting at 1.37 kg / 3.02 lb <i>13IKB Glass:</i> starting at 1.4 kg / 3.09 lb								AC adapter	65W USB Type-C AC adapter
Weight										
Case color	<i>13IKB:</i> Bronze, platinum, or cooper <i>13IKB Glass:</i> platinum								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 2-year/1-yr battery depot repair service</li> </ul>
Case material									<i>Display cover:</i> Aluminum (13IKB model) or Glass (13IKB Glass model) <i>Bottom:</i> Aluminum	

Note: The specifications above may not be available in all regions.

Lenovo  
August 2018

Yoga 920 (14") - 80Y7

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Color	Camera	Micro-phone	Keyboard	Finger-print Reader	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
80Y70062US	Yoga 920-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB Soldered	13.9" 4K (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	Active Pen 2(Battery)	70Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	04/18
80Y70063US	Yoga 920-13IKB	NA	US, Canada	i5-8250U	Intel UHD 620	8GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	None	70Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/17
80Y70064US	Yoga 920-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	8GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	512GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	None	70Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/17
80Y70066US	Yoga 920-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB Soldered	13.9" 4K (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Bronze	720p	Dual Array	Backlit	Finger-print Reader	Active Pen 2(Battery)	70Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	04/18
80Y700FNUS	Yoga 920-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	None	70Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	06/18

# Yoga 920 (14") - 80Y8

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Color	Camera	Micro-phone	Keyboard	Finger-print Reader	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
80Y8000UUS	Yoga 920-131KB Glass	NA	US	i7-8550U	Intel UHD 620	16GB Soldered	13.9" 4K (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe	None	11ac, 2x2 + BT4.1	Platinum	720p	Dual Array	Backlit	Finger-print Reader	Active Pen 2(Battery)	70Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	04/18



## Yoga C630 WOS Platform Specifications - 13Q50

Product Specifications Reference (PSREF)

Processor	Qualcomm® Snapdragon™ 850 Processor, 64-bit octa-core processor (8 x Kryo 385 CPU, up to 2.96GHz)	Media reader	None
Graphics	Qualcomm Adreno™ 630 GPU in processor, DirectX 12	Ports	One USB 3.1 Type-C Gen 1 (with the function of Power Delivery), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), nano-SIM card slot, headphone / microphone combo jack
Chipset	Qualcomm SoC (System on Chip) platform	Bundled accy	Lenovo USB-C to USB-A Adapter
Memory	4GB or 8GB / 3733MHz LPDDR4X, soldered to systemboard	Camera	720p HD, 1.0MP resolution, fixed focus
Display	13.3" (338mm) FHD (1920x1080), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut	Audio support	Qualcomm Aqstic™ audio codec and speaker amplifier, dual array microphone, headphone / microphone combo jack
Multi-touch	Capacitive-type multi-touch, supports 10-finger gesture	Keyboard	6-row, multimedia Fn keys, LED backlight
Multi-mode	4 modes: notebook, tablet, stand and tent; 360° hinge	Touchpad	buttonless glass surface multi-touch touchpad
Pen	Lenovo Pen	Security chip	None
Storage	128GB or 256GB / UFS 2.1	Fingerprint reader	Touch style fingerprint reader on the palm rest
Optical	None	Light sensor	None
Ethernet	None	G-sensor	Accelerometer
WLAN	11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card	TV tuner	None
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter	E-Compass	None
WWAN	Qualcomm Snapdragon X20 LTE modem	Gyroscope	3D gyrometer
SIM card	Nano-SIM card slot	Battery	Integrated Li-Ion 60Wh battery
Dimensions	<i>WxDxH:</i> 12.08" x 8.52" x 0.49-0.51"; 306.8mm x 216.4mm x 12.5-12.95mm	Max battery life	25 hr
Weight	Starting at 1.2 kg / 2.6 lb	AC adapter	* Battery life varies significantly with settings, usage, & other factors 45W USB Type-C AC adapter
Case color	Iron grey	Preload	Windows® 10 Home S
Case material	<i>Display cover:</i> Aluminum <i>Bottom:</i> Magnesium/Aluminum	Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 2-year/1-yr battery depot repair service
		Environment	ENERGY STAR® 7.0; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
November 2018



Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage	WLAN + Bluetooth	WWAN	SIM Card	Bundled Accessories	Color	Camera	Micro-phon	Keyboard	Finger-print Reader	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
81JL0002U-S	Yoga C630-13Q50	NA	US	Snapdragon 850	Qualcomm Adreno 630	4GB Soldered LPDDR4X-3733	13.3" FHD (1920x1080) IPS	10-point Multitouch	128GB UFS 2.1	11ac, 2x2 + BT4.2	LTE	None	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Pen	60Wh	45W USB-C	Win10 Home S	1-year, Depot	10/18
81JL0003U-S	Yoga C630-13Q50	NA	US	Snapdragon 850	Qualcomm Adreno 630	8GB Soldered LPDDR4X-3733	13.3" FHD (1920x1080) IPS	10-point Multitouch	128GB UFS 2.1	11ac, 2x2 + BT4.2	LTE	None	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Pen	60Wh	45W USB-C	Win10 Home S	1-year, Depot	10/18
81JL0004U-S	Yoga C630-13Q50	NA	US	Snapdragon 850	Qualcomm Adreno 630	8GB Soldered LPDDR4X-3733	13.3" FHD (1920x1080) IPS	10-point Multitouch	256GB UFS 2.1	11ac, 2x2 + BT4.2	LTE	None	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Pen	60Wh	45W USB-C	Win10 Home S	1-year, Depot	10/18



# Yoga C930 (14") Platform Specifications - 13IKB / 13IKB Glass

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Media reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Ports	One USB 3.1 Gen 1 (Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt, headphone / microphone combo jack
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	Monitor cable (optional)	USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to HDMI: Lenovo USB-C to HDMI Adapter
i7-8550U	1.8 GHz			4.0 GHz	8MB					
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via USB Type-C; Max resolution: 3840x2160@60Hz (USB Type-C)								Camera	720p HD, 1.0MP resolution, fixed focus
Chipset	Intel SoC (System on Chip) platform								Audio support	HD audio, stereo speakers with Dolby® Atmos® speaker system, 2.0W x 4, dual array microphone, headphone / microphone combo jack
Memory	16GB max / 2400MHz DDR4, soldered to systemboard, no sockets								Keyboard	6-row, multimedia Fn keys, LED backlight
Display	<i>Some:</i> 13.9" (353mm) FHD (1920x1080), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut <i>Some:</i> 13.9" (353mm) 4K (3840x2160), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut								Touchpad	buttonless glass surface multi-touch touchpad
Multi-touch	Capacitive-type multi-touch, supports 10-finger gesture								Security	Administrator password and user password supported
Multi-mode	4 modes: notebook, tablet, stand and tent; 360° sound-bar hinge								Security chip	None
Pen	Lenovo Active Pen, garaged, with unreplaceable battery								Fingerprint reader	Touch style fingerprint reader on the palm rest
Storage	M.2 SSD / PCIe 3.0 x 4								Light sensor	Ambient light sensor
Optical	None								G-sensor	Accelerometer
Ethernet	None								TV tuner	None
WLAN	11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								E-Compass	None
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Gyroscope	None
Dimensions	<i>WxDxH:</i> 12.68" x 8.94" x 0.57-0.59"; 322mm x 227mm x 14.5-14.9mm								Battery	Integrated Li-Ion 60Wh battery
Weight	Starting at 1.38 kg / 3.04 lb								Max battery life	MobileMark® 2014: 10 hr (4K model) or 12 hr (FHD model)
Case color	Iron grey or mica (mica is NOT available on 13IKB Glass model)								AC adapter	65W USB Type-C AC adapter
Case material	<i>Display cover:</i> Aluminum (13IKB model) or Glass (13IKB Glass model) <i>Bottom:</i> Aluminum								Preload	Windows® 10 Home 64
									Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 2-year/1-yr battery depot repair service</li> </ul>
									Environment	ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

Lenovo  
December 2018

# Yoga C930 (14") - 81C4

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Monitor Cable	Color	Camera	Microphone	Keyboard	Finger-print Reader	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
81C40007US	Yoga C930-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB Soldered	13.9" 4K (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/18
81C4000DUS	Yoga C930-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB Soldered	13.9" 4K (3840x2160) IPS	10-point Multi-touch	1TB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Mica	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/18
81C4004TUS	Yoga C930-13IKB	NA	US, Canada	i5-8250U	Intel UHD 620	8GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/18
81C4004WUS	Yoga C930-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	8GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/18
81C4006XUS	Yoga C930-13IKB	NA	US, Canada	i7-8550U	Intel UHD 620	16GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/18

# Yoga C930 (14") - 81EQ

Product Specifications Reference (PSREF)

Model	Product	Region	Country	Processor	Graphics	Memory	Display	Multi-touch	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Monitor Cable	Color	Camera	Micro-phone	Keyboard	Finger-print Reader	Pen	Battery (internal)	Power Adapter	Operating System	Warranty	Ann Date (m/y)
81EQ000LUS	Yoga C930-13 KB Glass	NA	US	i7-8550U	Intel UHD 620	16GB Soldered	13.9" 4K (3840x2160) IPS	10-point Multi-touch	512GB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	09/18
81EQ000MUS	Yoga C930-13 KB Glass	NA	US	i7-8550U	Intel UHD 620	12GB Soldered	13.9" FHD (1920x1080) IPS	10-point Multi-touch	256GB SSD M.2 PCIe NVMe	None	11ac, 2x2 + BT4.1	None	Iron Grey	720p	Dual Array	Backlit	Finger-print Reader	Lenovo Active Pen	60Wh	65W USB-C	Windows 10 Home 64	1-year, Depot	08/18



# Lenovo YOGA Tab 3 10 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm Processor							Dimensions Weight	<i>WxDxH:</i> 9.96" x 7.28" x 0.14 - 0.37"; 253.0mm x 185.0mm x 3.5 - 9.5mm
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Memory speed	Processor Graphics		<i>WLAN:</i> 1.44 lb / 0.655kg
	APQ8009	4	4	1.30 GHz	1.30 GHz	LPDDR3-400	Andero		<i>WWAN:</i> 1.47 lb / 0.665kg
	MSM8909	4	4	1.30 GHz	1.30 GHz	LPDDR3-400	Andero	Case color Case material	
Memory	1GB or 2GB / 1600MHz LPDDR3, soldered to systemboard							Battery type	Slate black <i>Top:</i> plastic
Optical Storage	None							Battery life	Li-ion 3-cell (8400mAh)
Storage extension	16GB/32GB eMMC (embedded Multi Media Card) flash memory on board							AC adapter	Up to 18 hrs 5.2V/2.0A AC adapter
Storage extension	One microSD Card slot, supports up to 128GB							Chipset	<b>Qualcomm SoC (System on Chip) platform</b>
Widescreen display	10.1" (256.5mm) HD (1280x800) color, LED backlight, 350 nits, 16:10 aspect ratio, IPS display							Multicard reader	microSD card slot , up to 128GB
Multi-touch	multi-touch, support 10 fingers							Ports	One Micro USB 2.0 for power charge and data synchronize
Kickstand	four modes (Hold, Stand, Tilt & Hang)							Audio support	Dolby Atmos audio, two front-facing speakers, microphone x 1, combo audio/microphone jack
Camera	<i>Rear camera:</i> 8.0-megapixel rotatable, auto focus							WLAN	802.11 b/g/n
Graphics	Qualcomm Andero 304 Graphics in processor							WWAN	Support 2G, 3G, 4G LTE
Keyboard	None							SIM card	Micro SIM card for WWAN
Touchpad	None							Bluetooth™	Bluetooth 4.0 wireless
Vibrator	Yes							Ethernet	None
Light sensor	Ambient Light Sensor							Security chip	None
G-sensor	G-sensor							Fingerprint reader	None
eCompass	support eCompass function							Limited warranty	1-year limited warranty
Hall Sensor	Yes							Preload	Android 5.1 • SYNCit • SHAREit
								Environment	RoHS-compliant

Lenovo YOGA Tab 3 10 - ZA0H

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Ethernet	WLAN + Bluetooth	WWAN	Color	Camera	Microphone	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (mm/yy)
ZA0H0022US	US, Canada	APQ8009	Integrated Graphics	1GB Soldered	10.1" HD (1280x800) IPS	10-point Multi-touch	16GB eMMC	None	None	11b/g/n + BT4.0	None	Black	8.0MP, Rotatable	Monaural	None	None	3-cell (8400mAh)	5.2V/2.0A	Android 5.1	1-year	11/15
ZA0H0064US	US, Canada	APQ8009	Integrated Graphics	2GB Soldered	10.1" HD (1280x800) IPS	10-point Multi-touch	16GB eMMC	None	None	11b/g/n + BT4.0	None	Black	8.0MP, Rotatable	Monaural	None	None	3-cell (8400mAh)	5.2V/2.0A	Android 5.1	1-year	05/17





# Lenovo YOGA Tablet 3 - 850 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm Processor						Dimensions Weight Case color Case material Battery type Battery life AC adapter	<i>WxDxH:</i> 8.27" x 5.75" x 0.12 - 0.28"; 210.0mm x 146.0mm x 3.0 - 7.0mm <i>WLAN:</i> 1.03 lb / 0.466kg <i>WWAN:</i> 1.04 lb / 0.472kg Slate black Top: plastic Li-ion 2-cell (6200mAh) Up to 20 hrs 5V/1.5A AC adapter	
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Memory speed			Processor Graphics
	APQ8009	4	4	1.30 GHz	1.30 GHz	LPDDR3-400			Andero
	MSM8909	4	4	1.30 GHz	1.30 GHz	LPDDR3-400	Andero		
Memory	1GB / 400MHz LPDDR3, soldered to systemboard						Chipset	<b>Qualcomm SoC (System on Chip) platform</b>	
Optical	None						Multicard reader	microSD card slot , up to 128GB	
Storage	16GB eMMC (embedded Multi Media Card) flash memory on board						Ports	One Micro USB 2.0 for power charge and data synchronize	
Storage extension	One microSD Card slot, supports up to 128GB						Audio support	Dolby Atmos audio, two front-facing speakers, 1.5W x 2 / digital microphone x 1, combo audio/microphone jack	
Widescreen display	8.0" (203.2mm) HD (800x1280) color, LED backlight, 400 nits, 10:16 aspect ratio, IPS display						WLAN	802.11 b/g/n	
Multi-touch	multi-touch, support 10 fingers						WWAN	Support GSM, 3G, LTE	
Kickstand	four modes (Hold, Stand, Tilt & Hang)						SIM card	Micro SIM card for WWAN	
Camera	<i>Rear camera:</i> 8.0-megapixel rotatable, auto focus						Bluetooth™	Bluetooth 4.0 wireless	
Graphics	Qualcomm Andero 304 Graphics in processor						Ethernet	None	
Keyboard	None						Security chip	None	
Touchpad	None						Fingerprint reader	None	
Vibrator	Yes						Limited warranty	1-year limited warranty	
Light sensor	Ambient Light Sensor						Preload	Android 5.1	
G-sensor	G-sensor							<ul style="list-style-type: none"> <li>• SYNCit</li> <li>• SHAREit</li> </ul>	
eCompass	support eCompass function						Environment	RoHS-compliant	
Hall Sensor	Yes								

Lenovo YOGA Tab 3 8 - ZA09

Product Specifications Reference (PSREF)

Model	Region	Processor	Graphics	Memory	Display	Multi-touch	Storage	Optical	Ethernet	WLAN + Bluetooth	WWAN	Color	Camera	Microphone	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (mm/yy)
ZA090094US	US	APQ8009	Integrated Graphics	2GB Soldered	8" HD (1280x800) IPS	10-point Multi-touch	16GB eMMC	None	None	11b/g/n + BT4.0	None	Black	8.0MP, Rotatable	Monaural	None	None	2-cell (6200mAh)	5V/1.5A	Android 5.1	1-year	01/17
ZA090011US	US, Canada	APQ8009	Integrated Graphics	1GB Soldered	8" HD (1280x800) IPS	10-point Multi-touch	16GB eMMC	None	None	11b/g/n + BT4.0	None	Black	8.0MP, Rotatable	Monaural	None	None	2-cell (6200mAh)	5V/1.5A	Android 5.1	1-year	10/15



# Lenovo Yoga Tab 3 Plus Platform Specifications

Product Specifications Reference (PSREF)

Processor	Qualcomm Snapdragon 652 Processor								Dimensions	<i>WxDxH:</i> 9.72" x 7.05" x 0.18"; 247.0mm x 179.0mm x 4.68mm
	Processor Number	# of A72	Speed of A72	# of A53	Speed of A53	Memory speed	Processor Graphics	WWAN	Weight	<i>WLAN:</i> 1.40 lb / 0.637kg <i>LTE:</i> 1.42 lb / 0.644kg
	APQ8076	4	1.80 GHz	4	1.40 GHz	LPDDR3-933	Adreno 510	No LTE	Case color	Puma black
	MSM8976	4	1.80 GHz	4	1.40 GHz				Case material	<i>Top:</i> Metal, plastic and PU Leather
<i>(Oct-core : 4xA72 1.8GHz + 4xA53 1.4GHz)</i>										
Memory	3GB 933MHz LPDDR3, soldered to systemboard								Battery	9300mAh
Optical	None								AC adapter	12V/2.0A AC adapter
Storage	32GB eMMC (embedded Multi Media Card) flash memory on board								Chipset	SoC (System on Chip) platform
Storage extension	One microSD Card slot, supports up to 128GB								Multicard reader	microSD card slot , up to 128GB
Widescreen display	10.1" (255.0mm) WQXGA (2560x1600) color, LED backlight, 400 nits, 16:10 aspect ratio, IPS display multi-touch, support 10 fingers four modes (Hold, Stand, Tilt & Hang) <i>Front camera:</i> 5.0-megapixel, fixed focus <i>Rear camera:</i> 13.0-megapixel, auto focus								Ports	One Micro USB 2.0 Type-C
Multi-touch									Audio support	Dolby Atmos audio, four front-facing JBL speakers, microphone x 1, combo audio/microphone jack
Kickstand									WLAN	802.11 a/b/g/n/ac
Camera									WWAN	Support 2G, 3G, 4G LTE
Graphics	Qualcomm Adreno 510 Graphics in processor								SIM card	Micro SIM card for WWAN
Projector	None								Bluetooth™	Bluetooth 4.0 wireless
Keyboard	None								Ethernet	None
Touchpad	None								Security chip	None
Vibrator	Yes								Fingerprint reader	None
Light sensor	Ambient Light Sensor								Limited warranty	1-year limited warranty
G-sensor	G-sensor								Preload	Android 6.0
eCompass	Support eCompass function									• Lenovo Media Cast
GPS	GPS, Glonass; A-GPS (LTE model only)								Environment	RoHS-compliant

Model	Region	Processor	Graphics	Memory	Display(Size, Resolution, Type)	Multi-touch	Storage	Optical	Ethernet	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	Keyboard	Fingerprint Reader	Battery	Power Adapter	Operating System	Warranty	Ann Date (mm/yy)
ZA1N0007US	US, Canada	APQ8076	Integrated Graphics	3GB Soldered	10.1" WQXGA (2560x1600) IPS	10-point Multi-touch	32GB eMMC	None	None	11a/b/g/n/ac + BT4.0	None	Black	5.0MP / 13.0MP	None	None	9300mAh	12V/2.0A	Android 6.0	1-year	01/17
ZA1N0042US	US, Canada	APQ8076	Integrated Graphics	3GB Soldered	10.1" WQXGA (2560x1600) IPS	10-point Multi-touch	32GB eMMC	None	None	11a/b/g/n/ac + BT4.0	None	Black	5.0MP / 13.0MP	None	None	9300mAh	12V/2.0A	Android 6.0	1-year	02/17





# Lenovo YOGA Tab 3 Pro 10 Platform Specifications

Product Specifications Reference (PSREF)

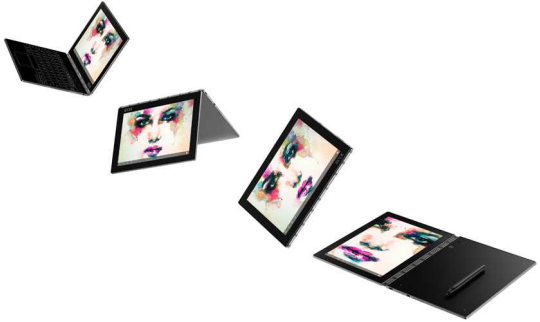
Processor	Intel® Atom® Processor								Dimensions	<i>WxDxH:</i> 9.72" x 7.05" x 0.18"; 247.0mm x 179.0mm x 4.7mm
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Weight	<i>WLAN:</i> 1.47 lb / 0.665kg
	x5-Z8500	4	4	1.44 GHz	2.24 GHz	2MB	LPDDR3-1600	Intel HD Graphics	Case color	Puma black
x5-Z8550	4	4	1.44 GHz	2.4 GHz	2MB	Case material			<i>Top:</i> metal, plastic and PU Leather	
Chipset	<b>Intel Atom SoC (System on Chip) platform</b>								Ports	One Micro USB 2.0 for power charge and data sync, one MicroSD card slot, one SIM card slot(LTE model only)
Memory	2GB or 4GB / 1600MHz LPDDR3, soldered to systemboard								Audio support	Dolby Atmos audio, four front-facing JBL speakers, microphone x 1, combo audio/microphone jack
Storage	16GB/32GB/64GB eMMC (embedded Multi Media Card) flash memory on board								Keyboard	None
Storage extension	One microSD Card slot, up to 128GB								Touchpad	None
Optical	None								Bluetooth™	Bluetooth 4.0 wireless
Widescreen display	10.1" (256.5mm) QHD (2560x1600), LED backlight, 400 nits, 70% color gamut								Ethernet	None
Multi-touch	16:10 aspect ratio, IPS display								Security chip	None
Kickstand	Multi-touch, support 10 fingers								Fingerprint reader	None
Camera	Four modes (Hold, Stand, Tilt & Hang)								Battery	10200mAh
	<i>Front camera:</i> 5.0-megapixel, fixed focus								Battery life	Sandby Time: up to 12 weeks Video (720p) Playback: up to 18 hrs Browsing Time:
	<i>Rear camera:</i> 13.0-megapixel, auto focus									<ul style="list-style-type: none"> <li>• WIFI : Over 18 hrs</li> <li>• 3G : Over 15 hrs</li> <li>• LTE : Over 10 hrs</li> </ul>
Graphics	Intel HD Graphics in processor								AC adapter	12V/2.0A AC adapter
Projector	Embedded Projector, 70" screen on the wall or ceiling and 180° rotatable,								Limited warranty	1-year or 2-year limited warranty
WLAN	802.11 a/b/g/n/ac								Preload	Android 5.1 or Android 6.0
WWAN(optional)	Support 2G, 3G, 4G LTE									<ul style="list-style-type: none"> <li>• SYNCit</li> <li>• SHAREit</li> </ul>
LTE Band	2G : 2/3/5/8								Environment	RoHS-compliant
	3G WCDMA : 1/2/3/4/5/6/8/9/19									
	3G TDSCDMA : 34/39									
	FDD-LTE : 1/2/3/4/5/7/8/9/12/17/18/19/20/25/26									
	TDD-LTE : 38/39/40									
SIM card	Micro SIM card, single SIM slot									
Vibrator	Yes									
Light sensor	Ambient Light Sensor									
G-sensor	G-sensor									
eCompass	support eCompass function									
GPS	GPS and GLONASS									
A-GPS	A-GPS for LTE model only									

Note: The specifications above may not be available in all regions

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Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	VoiceCall	Battery	Power Adapter	Bundled Accessories	OS	War-ranty	Ann Date (mm/yy)
ZA0F0050US	Lenovo YT3-X90F	NA	US, Canada	Atom x5-Z8500	Intel HD	10.1" WQXGA (2560x1600) IPS	10-point Multi-touch	2GB Soldered	32GB eMMC	11a/b/g/n/ac + BT4.0	None	Puma Black	5.0MP / 13.0MP	No	10200mAh	12V/2.0A	None	Android 5.1	1-year	07/16
ZA0F0099US	Lenovo YT3-X90F	NA	US	Atom x5-Z8550	Intel HD	10.1" WQXGA (2560x1600) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac + BT4.0	None	Puma Black	5.0MP / 13.0MP	No	10200mAh	12V/2.0A	None	Android 6.0	1-year	08/16



# YOGA Book Platform Specifications

Product Specifications Reference (PSREF)

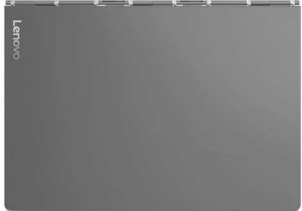
Processor	Intel® Atom™ Processor							Processor Graphics	Dimensions	<i>WxDxH:</i> 10.1" x 6.72" x 0.38"; 256.6mm x 170.8mm x 9.6mm
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory Type		Weight <sup>2</sup>	1.52 lb / 0.69kg
	x5-Z8500	4	4	1.44 GHz	2.24 GHz	2MB	LPDDR3-1600		Case color	Carbon black, champagne gold, gunmetal grey, pearl white or ruby red
	x5-Z8550	4	4	1.44 GHz	2.40 GHz	2MB	LPDDR3-1600	Case material	Magnesium aluminum alloy	
Graphics	Intel HD Graphics 400 in processor								Media reader	None
Chipset	Intel SoC (System on Chip) platform								Ports	One Micro USB 2.0 for power charge and data synchronize, one Micro HDMI, optional standard USB 2.0 port (via Micro USB 2.0 to T-HUB adapter, sold separately), optional Micro USB 2.0 port (via Micro USB 2.0 to T-HUB adapter, sold separately)
Memory	4GB LPDDR3, soldered to systemboard									
Display	10.1" (255mm) FHD (1200x1920) color, LED backlight, color depth 16.7 million, color gamut 70%, 400 nits, 16:10 aspect ratio, IPS display								Camera	<i>Front camera:</i> 2MP, fixed focus <i>Rear camera:</i> 8MP, auto focus
Multi-touch	<i>On screen:</i> 10-point capacitive multi-touch with AnyPen technology <i>Create pad:</i> capacitive touch with EMR (Electro Magnetic Resonance) pen technology								Audio support	Dual speaker 1.5Wx2 / dual array microphone (support noise cancelling), Dolby Audio™ Premium (Windows model) / Dolby Atoms® (Android model), 3.5mm combo audio / microphone jack
Multi-mode EMR pen	4 modes: type, watch, browse and create; 360° rotation hinge with any stop								Keyboard	Halo keyboard, backlight, 6-row, multimedia Fn keys, haptic feedback
Book pad paper	One Real Pen, one stylus tip for Real Pen, three ink refills for Real Pen								Touchpad	Touchpad
	Attaches magnetically, sized to YOGA Book's create pad, detachable sheets, replaceable paper, included 15 pieces of paper								Security chip	None
Storage	64GB eMMC (embedded Multi Media Card) flash memory on board								Fingerprint reader	None
Optical	None								Battery type	Li-ion Polymer 2-cell (8500mAh)
Storage extension	Up to 128GB MicroSD								Battery life	Up to 13 hrs (Windows model); up to 15hrs (Android model)
Ethernet	None								AC adapter	12V/2.0A AC adapter
Bluetooth™	Bluetooth 4.0 wireless								Preload	Preloaded operating system <i>Some:</i> Windows® 10 Home 64 <i>Some:</i> Android® 6.0
WLAN	802.11 a/b/g/n/ac, dual channel (2.4GHz and 5GHz)									Preloaded applications (only some listed)
WWAN (optional)	4G LTE connectivity									<ul style="list-style-type: none"> <li>• Microsoft® Office Mobile-Word</li> <li>• Microsoft Office Mobile-Excel</li> <li>• Microsoft Office Mobile-Power Point</li> <li>• Lenovo® SHAREit</li> <li>• Google® Docs</li> <li>• ArtRage</li> </ul>
SIM card (opt)	Single Nano SIM slot (for 4G LTE model)									
NFC	None								Limited warranty	1-year or 2-year limited warranty
Vibrator	Linear vibrators								Environment	RoHS-compliant
G-sensor	Accelerometer (G) sensor									
Light Sensor	Ambient Light Sensor									
GPS	GPS+GLONASS									
A-GPS	A-GPS (LTE model with Android only)									
Hall Sensor	Hall Sensor									
E-Compass	e-Compass (Android model only)									

Note: The specifications above may not be available in all regions

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August 2018

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	Battery	Power Adapter	OS	War-ranty	Ann Date (mm/yy)
ZA0V0002US	Lenovo YB1-X90F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Gunmetal Grey	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	04/17
ZA0V0035US	Lenovo YB1-X90F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Gunmetal Grey	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17
ZA0V0037US	Lenovo YB1-X90F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Champagne Gold	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17
ZA0V0091US	Lenovo YB1-X90F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Champagne Gold	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17
ZA0V0224US	Lenovo YB1-X90F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Carbon Black	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17
ZA0V0261CA	Lenovo YB1-X90F	NA	Canada	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Champagne Gold	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17
ZA0V0262CA	Lenovo YB1-X90F	NA	Canada	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Gunmetal Grey	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17
ZA0V0263CA	Lenovo YB1-X90F	NA	Canada	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Carbon Black	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Android 6.0	1-year	05/17

Model	Product	Region	Country	Processor	Graphics	Display	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN	Color	Camera (Front / Rear)	Battery	Power Adapter	OS	War-ranty	Ann Date (mm/yy)
ZA150000US	Lenovo YB1-X91F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Carbon Black	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Windows 10 Home 64	1-year	07/16
ZA150013CA	Lenovo YB1-X91F	NA	Canada	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	64GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Carbon Black	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Windows 10 Home 64	1-year	07/16
ZA150273US	Lenovo YB1-X91F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	128GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Ruby Red	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Windows 10 Pro 64	1-year	06/17
ZA150289US	Lenovo YB1-X91F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	128GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Pearl White	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Windows 10 Pro 64	1-year	06/17
ZA150340US	Lenovo YB1-X91F	NA	US	Atom x5-Z8550	Intel HD 400	10.1" FHD (1920x1200) IPS	10-point Multi-touch	4GB Soldered	128GB eMMC	11a/b/g/n/ac, 1x1 + BT4.0	None	Carbon Black	2.0MP / 8.0MP	2-cell (8500mAh)	12V/2.0A	Windows 10 Pro 64	1-year	06/17



# Yoga Book C930 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ m / i5 Processor								Dimensions Weight Case color Case material	WxLxH: 10.25" x 7.06" x 0.39"; 260.4mm x 179.44mm x 9.9mm	
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory Type	Processor Graphics		WiFi SKU: 1.71lbs / 775g; LTE SKU: 1.76lbs / 799g	
	i5-7Y54	2	4	1.2 GHz	3.2 GHz	4MB	LPDDR3-1866	Intel HD Graphics 615		Iron gray	
m3-7Y30	2	4	1.0 GHz	2.6 GHz	2MB	LPDDR3-1866	Magnesium aluminum alloy				
Graphics	Integrated Intel HD graphics 615 in processor								Ports	Two USB 3.1 (Gen 1) Type-C with full function (right port: analog and digital audio output; left port: digital audio output), one MicroSD card slot (WiFi model) or one dual-card slot for SIM card and MicroSD card (LTE model)	
Chipset	Intel SoC (System on Chip) platform								Buttons	Power button, volume key	
Memory	4GB / LPDDR3, soldered to systemboard								Knock to open	Double knock the top of LCD display cover to pop open the laptop automatically	
Display	LCD display: 10.8" (274mm) QHD 2560x1600, IPS display, color depth 16.7 million, color gamut 85%, 400 nits, 281ppi								NFC	None	
Multi-touch	E Ink display: 10.8" (274mm) FHD 1920x1080, E Ink screen, 204ppi								GPS	None	
	LCD display: capacitive-type multi-touch, support 10-point touch and active pen input, finger/pen distinguish								Vibrator	Linear vibrator	
Multi-mode	E Ink display: capacitive-type multi-touch with active pen technology; support 10-point touch in keyboard mode, support single touch in other mode								G-sensor	Accelerometer (G) sensor	
	4 modes: notebook, tablet, stand and tent; 360° rotation hinge, 45°–360° with any stop								Light sensor	Ambient light sensor	
Pen (optional)	Lenovo Precision Pen, 4096 pressure levels, iron gray color								Hall Sensor	Hall Sensor	
	Long press (at least 4 seconds): bluetooth pairing One-click: activate E Ink note (E Ink side) Double-click: activate "Screen Sketch" (LCD side)								Camera	2.0-megapixel front camera, fixed focus	
Storage	Up to 256GB M.2 SSD								Audio support	Dual speakers with Dolby Atmos®, 1.2Wx2 / dual array microphone with noise-cancelling, through USB 3.1 type-C port	
	Optical	None								Keyboard	E Ink keyboard
Card slot	WiFi model: one MicroSD card slot, up to 512GB LTE model: one dual-card slot, support single Nano-SIM card or Nano-SIM card + MicroSD card (up to 512GB)								Touchpad	E Ink touchpad	
Ethernet	None								Security chip	None	
	WLAN	802.11 a/b/g/n/ac, 2x2, dual-band (2.4GHz & 5GHz)								Fingerprint reader	Infrared optical fingerprint sensor, support system login, password management
Bluetooth™	Bluetooth 4.2								Battery type	Li-ion Polymer, 36Wh (4650mAh)	
WWAN (optional)	4G LTE connectivity, support FDD-LTE, TD-LTE, HSPA+ and DC-HSDPA								Battery life	Standby time: over 16 days; general usage: 9.6 hrs	
LTE Band	UMTS: B1/2/5/8								AC adapter	27W adapter with one USB cable	
	FDD-LTE: B1/2/3/4/5/7/8/12/13/17/18/19/20/26/28/29/30/66								Charging time	< 3 hours to fully charged with genuine adapter under power off	
	TDD-LTE: B38/39/40/41 CA: 2CA/3CA								Preload	<ul style="list-style-type: none"> <li>Windows® 10 Home RS4, 64bit</li> <li>Office 365 personal (30-day trial)</li> <li>Microsoft OneNote</li> <li>Microsoft RDX</li> <li>Lenovo Vantage</li> <li>Lenovo Pen Setting</li> <li>Dolby Atmos</li> </ul>	E Ink Applications:
								Limited warranty	1-year or 2-year limited warranty		
								Environment	RoHS-compliant		

Note: The specifications above may not be available in all regions

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September 2018

Model	Product	Region	Country	Processor	Graphics	Display(Size, Resolution,Type)	Multi-touch	Memory (Soldered)	Storage	WLAN + Bluetooth	WWAN Color	Camera (Front / Rear)	Finger-print Reader	Battery	Power Adapter	Bundled Accessories	OS	War-ranty	Ann Date (mm/yy)	
ZA3S0058US	Lenovo YB-J912F	NA	US	i5-7Y54	Intel HD 615	LCD: 10.8" QHD (2560x1600) IPS + E Ink: 10.8" FHD (1920x1080)	10-point Multi-touch	4GB Soldered	256GB SSD	11a/b/g/n/ac, 2x2 + BT4.2	None	Iron Gray	2.0MP	Optical Fingerprint Sensor	36Wh	27W	Precision Pen with Battery	Windows 10 Home	1-year	07/18



**Lenovo**™ **Think**Products

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**Product Specifications Reference**

Version 501, January 2017

**U.S.**

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Version 539, March 2019

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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## March 2019 - Version 539

### Additions in this update

▶ **New product(s)**

ThinkSmart Hub 700 announced March 2019

▶ **New model(s)**

None

▶ **Others**

None

### Withdrawals in this update

▶ **Withdrawn product(s)**

None

▶ **Withdrawn model(s)**

None



# ThinkCentre M810z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor						Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock keyboard and mouse</li> </ul>	<ul style="list-style-type: none"> <li>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional Chassis intrusion switch</li> </ul>
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics			
	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510			
	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610			
	Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630			
	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530			
	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530			
	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530			
	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630			
	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630			
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630				
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630				
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630				
Memory	32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller						Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black	Mouse
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)								
Optical	Optional 9-in-1 media card reader								
Media reader	Optional 9-in-1 media card reader								
Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; Max resolution: 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz								
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode								
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch								
Camera	Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/off								
Controls	Physical buttons for Microphone mute, brightness up/down, and power on/off								
Chipset	Intel B250 Chipset								
Rear ports*	Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort, optional serial (9-pin), Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)								
Side ports*	* Depending on many factors, actual data transfer speed may be lower than theoretical speed								
M.2 card slot	Two M.2 Card slots (one for WLAN, one for SSD/Optane)								
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ certified								
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2								
Bluetooth™	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	Gigabit ethernet, Realtek RTL8111G, Wake on LAN®								
Manageability	None								
Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS								
Power supply	150 watts, autosensing, 85% PSU								
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available								
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit								
Environment	<b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate - Only for Window 10</li> <li>Lenovo Companion - Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>ThinkVantage System Update</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>								
Environment	EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; ErP Lot 3; GREENGUARD® certified; RoHS-compliant								
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)								
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>								

See footnotes for more detailed information



Model	Region	Processor	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NX0000US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0001US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0002US	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0003US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0005US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0006US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0007US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0008US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX0009US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NX000MUS	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000NUS	US	i5-7500	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000PUS	US	Pentium G4560	Intel HD 610	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000QUS	US	i3-7100	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NX000RUS	US	i3-7100	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17

Model	Region	Processor	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NY0002US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0003US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0004US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0005US	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0006US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0007US	US	i5-7500	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0008US	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY0009US	US	i5-7400	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY000BUS	US	i7-7700	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY000CUS	US	i5-7500	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Apr 7, 2023	03/17
10NY000QUS	US	Pentium G4400	Intel HD 510	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000RUS	US	i5-6500	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000SUS	US	i5-7400	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY000TUS	US	i5-6500	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000UUS	US	i7-6700	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000VUS	US	i7-6700	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000WUS	US	i7-6700	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000XUS	US	i5-6500	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY000YUS	US	i3-6100	Intel HD 530	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY0010US	US	i3-6100	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17

Model	Region	Processor	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NY0011US	US	i5-7500	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY0012US	US	i5-6500	Intel HD 530	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NY0013US	US	Pentium G4560	Intel HD 610	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY0014US	US	i3-7100	Intel HD 630	None	8GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NY0015US	US	i3-7100	Intel HD 630	None	4GBx1	21.5" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2 + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17



# ThinkCentre M820z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						<b>Security features</b> <ul style="list-style-type: none"> <li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional Chassis intrusion switch</li> </ul>																				
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																					
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610																					
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610																					
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610																					
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630																					
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630																					
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630																					
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630																					
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630																					
Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630																						
Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630																						
Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630																						
Memory	32GB max, DDR4-2666*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller																										
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)																										
Optical	Optional 3-in-1 media card reader																										
Media reader	Optional 3-in-1 media card reader																										
Graphics	<b>Intel HD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; <i>Max resolution:</i> 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz <b>21.5"</b> (546.1mm) <b>Full HD 1080p (1920x1080) TFT color</b> , Borderless design, MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology Optional 1080p camera, with dual microphone, LED indicator, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) Physical buttons on side for microphone mute and power on/off																										
Display	<b>21.5"</b> (546.1mm) <b>Full HD 1080p (1920x1080) TFT color</b> , Borderless design, MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology Optional 1080p camera, with dual microphone, LED indicator, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) Physical buttons on side for microphone mute and power on/off																										
Multi-touch	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology																										
Camera	Optional 1080p camera, with dual microphone, LED indicator, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°)																										
Controls	Physical buttons on side for microphone mute and power on/off																										
Chipset	<b>Intel B360 Chipset</b>																										
Rear ports*	Four USB 3.1 Gen1 (one supports Smart Power On), one ethernet (RJ-45), one DisplayPort, one optional serial (9-pin),																										
Side ports*	one USB 3.1 Gen2 (one is Always On and fast charge), one USB 3.1 Type-C Gen 1, one optional card reader, one headphone / microphone combo jack (3.5mm)																										
M.2 card slot	* Depending on many factors, actual data transfer speed may be lower than theoretical speed Two M.2 Card slots (one for WLAN, one for SSD/Optane)																										
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ Premium																										
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2																										
Bluetooth™	<i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter																										
Ethernet	Gigabit ethernet, Realtek RTL8111G, Wake on LAN®																										
Manageability	None																										
Security chip	Discrete TPM 2.0, TCG Certified																										
<table border="1"> <thead> <tr> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td colspan="3">Without stand (No camera):</td> </tr> <tr> <td>19.3 X 1.9 X 13.5 (inch) 491 X 49 X 342 (mm)</td> <td>(Touch) 11.6 / 5.25 (Non-touch) 11.1 / 5.05</td> <td>N/A</td> </tr> <tr> <td colspan="3">With Full Function Monitor stand (No camera):</td> </tr> <tr> <td>19.3 X 9.9 X 14.8 to 19.1 (inch) 491 X 252 X 377 to 486 (mm)</td> <td>(Non-touch) 15.8 / 7.18</td> <td>Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°</td> </tr> <tr> <td colspan="3">With UltraFlex III stand (No camera):</td> </tr> <tr> <td>19.3 X 9.9 X 16.4 (highest) (inch) 491 X 252 X 416 (highest) (mm)</td> <td>(Touch) 17.3 / 7.85 (Non-touch) 16.9 / 7.65</td> <td>Tilt: 70° back, -5° forward; Lift: 136mm; Swivel: +/-45°</td> </tr> </tbody> </table>							Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand (No camera):			19.3 X 1.9 X 13.5 (inch) 491 X 49 X 342 (mm)	(Touch) 11.6 / 5.25 (Non-touch) 11.1 / 5.05	N/A	With Full Function Monitor stand (No camera):			19.3 X 9.9 X 14.8 to 19.1 (inch) 491 X 252 X 377 to 486 (mm)	(Non-touch) 15.8 / 7.18	Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	With UltraFlex III stand (No camera):			19.3 X 9.9 X 16.4 (highest) (inch) 491 X 252 X 416 (highest) (mm)	(Touch) 17.3 / 7.85 (Non-touch) 16.9 / 7.65	Tilt: 70° back, -5° forward; Lift: 136mm; Swivel: +/-45°
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Power supply	150 watts, autosensing, 90% PSU																										
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available																										
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink Power2GO (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> </ul>																										
Environment	ENERGY STAR® 7.0*, EPEAT™ Gold rating* (*not for non-OS models), ErP Lot 3, TCO AIO Computer certified, GREENGUARD® certified, TUV Eye comfort certified (for Full Function Monitor Stand only), TUV Low Blue Light certified, TUV Ultra Low Noise certified (on some models), RoHS-compliant																										
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus)																										
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																										

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Display	Multi-touch	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Camera	Speaker	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	End of Support	Ann Date (m/y)
10SC000QUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000RUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000SUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000TUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000UUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000VUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000WUS	US	i3-8100	No	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000XUS	US	i3-8100	No	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC000YUS	US	i3-8100	No	Intel UHD 630	None	4GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0010US	US	Pentium Gold G5400	No	Intel UHD 610	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0011US	US	i7-8700	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0012US	US	i5-8400	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0013US	US	i5-8400	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0014US	US	i7-8700	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0015US	US	i3-8100	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0016US	US	i3-8100	No	Intel UHD 630	None	4GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0017US	US	i5-8400	No	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0018US	US	Pentium Gold G5400	No	Intel UHD 610	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC0019US	US	i5-8400	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC001AUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Display	Multi-touch	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Camera	Speaker	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	End of Support	Ann Date (m/y)
10SC001BUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC001CUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC001DUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC001EUS	US	i5-8400	No	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	None	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10SC001FUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	21.5" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	8265 ac, 2x2 + BT4.2	None	None	1080p	2Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18





# ThinkCentre M910z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor	Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS																																																						
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i3-6100</td> <td>2 / 4</td> <td>3.7G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-7100</td> <td>2 / 4</td> <td>3.9G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630	Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock keyboard and mouse</li> <li>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional Chassis intrusion switch</li> </ul>
Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																																																				
Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530																																																				
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530																																																				
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Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630																																																				
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630																																																				
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630																																																				
Memory	32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																																																						
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)	Mouse																																																							
Optical	Optional 9-in-1 media card reader	Mechanical	<ul style="list-style-type: none"> <li>Business black color</li> <li>Toolless back cover, stand, disk, memory removal</li> <li>Support VESA mount (100mm)</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td>Without stand:</td> <td>23.0 X 1.8 X 15.4 (inch); 584 X 45 X 390 (mm)</td> <td>(Touch) 17.2 / 7.8 (Non-touch) 15.0 / 6.8</td> <td>N/A</td> </tr> <tr> <td>With Basic Monitor stand:</td> <td>23.0 X 9.6 X 18.0 (inch); 584 X 245 X 458 (mm)</td> <td>(Non-touch) 19.4 / 8.8</td> <td>Tilt: 45° back, -5° forward</td> </tr> <tr> <td>With UltraFlex II stand:</td> <td>23.0X 10.0 X 19.9 (inch); 584 X 253 X 505 (mm)</td> <td>(Touch) 22.7 / 10.3 (Non-touch) 20.7 / 9.4</td> <td>Tilt: 61° back, -5° forward; Lift: 110mm; Swivel: +/-45°</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand:	23.0 X 1.8 X 15.4 (inch); 584 X 45 X 390 (mm)	(Touch) 17.2 / 7.8 (Non-touch) 15.0 / 6.8	N/A	With Basic Monitor stand:	23.0 X 9.6 X 18.0 (inch); 584 X 245 X 458 (mm)	(Non-touch) 19.4 / 8.8	Tilt: 45° back, -5° forward	With UltraFlex II stand:	23.0X 10.0 X 19.9 (inch); 584 X 253 X 505 (mm)	(Touch) 22.7 / 10.3 (Non-touch) 20.7 / 9.4	Tilt: 61° back, -5° forward; Lift: 110mm; Swivel: +/-45°																																						
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Media reader	Optional 9-in-1 media card reader	Power supply	150 watts, autosensing, 85% PSU																																																						
Graphics	Intel HD Graphics 530/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; Max resolution: 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz	Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available																																																						
Display	23.8" (604.5mm) Full HD 1080p (1920x1080) TFT color, WVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode, work as standalone monitor via DisplayPort (DP in / out combo)	Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>ThinkVantage System Update</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>																																																						
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch	Environment	EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant																																																						
Camera	Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/off	MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)																																																						
Controls	Physical buttons for Microphone mute, monitor mode switch, brightness up/down, and power on/off	Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																																																						
Chipset	Intel Q270 Chipset																																																								
Rear ports*	Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort in/out combo port, optional serial (9-pin)																																																								
Side ports*	Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm), optional USB 3.1 Type-C Gen1																																																								
M.2 card slot	* Depending on many factors, actual data transfer speed may be lower than theoretical speed Two M.2 Card slots (one for WLAN, one for SSD/Optane)																																																								
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (3W x 2), Dolby® Audio™ certified																																																								
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2																																																								
Bluetooth™	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																																								
Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®																																																								
Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)																																																								

See footnotes for more detailed information

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NR000HUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000KUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000LUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000MUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000PUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000QUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR000RUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	500GB 7200rpm 2.5"	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NR0017US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NR0018US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	Optical	Media Reader	USB Type-C	WLAN + Bluetooth	Optional Rear Ports	Camera	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Operating System	Warranty	End of Support	Ann Date (m/y)
10NS0001US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0003US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0004US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0006US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0007US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS0008US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS000AUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	Mar 28, 2023	02/17
10NS000UUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000VUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000WUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000XUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS000YUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0010US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	500GB 7200rpm 2.5" DVD±RW	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0011US	US	i5-7500	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NS0012US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0013US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NS0014US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0015US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17
10NS0016US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 Pro 64	3-year, Onsite	May 7, 2023	04/17
10NS0017US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	23.8" FHD (1920x1080) WVA AG	None	150W 85% Adapter	128GB SSD M.2 PCIe NVMe	DVD±RW	9-in-1	None	8265 ac, 2x2, vPro + BT4.1	None	1080p	None	None	USB / USB	UltraFlex II Stand	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 29, 2023	03/17



# ThinkCentre M920z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability Intel Active Management Technology 12.0 (Intel AMT 12.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Discrete TPM 2.0, TCG Certified																				
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																					
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610																					
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610																					
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610																					
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630																					
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630																					
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630																					
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630																					
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630																					
	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630																					
	Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630																					
Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630																						
Memory	32GB max, DDR4-2666*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller						Security chip Security features <ul style="list-style-type: none"> <li>• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on, admin, hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Optional Chassis intrusion switch</li> </ul> Keyboard <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black Mouse <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																				
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, supports up to two HDDs (2nd HDD occupies ODD bay), RAID0/1 support (RAID preset only available via special bid model) <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)																										
Optical	Optional 3-in-1 media card reader																										
Media reader	Optional 3-in-1 media card reader																										
Graphics	<b>Intel HD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; Max resolution: 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz <b>23.8"</b> (604.5mm) <b>Full HD 1080p (1920x1080) TFT color</b> , Borderless design, WVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode, work as standalone monitor via DisplayPort (DP in / out combo)																										
Display	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology <i>Some:</i> 1080p camera, with dual microphone, LED indicator, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) <i>Some:</i> RGBIR camera, 1080p, with dual microphone, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) Windows Hello support, only available via special bid models																										
Multi-touch	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology																										
Camera	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology <i>Some:</i> 1080p camera, with dual microphone, LED indicator, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) <i>Some:</i> RGBIR camera, 1080p, with dual microphone, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) Windows Hello support, only available via special bid models																										
Controls	Physical buttons on side for microphone mute and power on/off																										
Chipset	<b>Intel Q370 Chipset</b>																										
Rear ports	Four USB 3.1 Gen1 (one supports Smart Power On), one ethernet (RJ-45), one DisplayPort in/out combo port, one optional serial (9-pin)																										
Side ports	one USB 3.1 Gen2 (one is Always On and fast charge), one USB 3.1 Gen1, one USB 3.1 Type-C Gen 1, one optional card reader, one headphone / microphone combo jack (3.5mm)																										
M.2 card slot	Two M.2 Card slots (one for WLAN, one for SSD/Optane)																										
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (3W x 2), Dolby® Audio™ Premium																										
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2																										
Bluetooth™	<i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter																										
Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®																										
Mechanical <ul style="list-style-type: none"> <li>• Business black color</li> <li>• Toolless back cover, stand, disk, memory removal</li> <li>• Support VESA mount (100mm)</li> </ul> <table border="1"> <thead> <tr> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td colspan="3">Without stand (No camera):</td> </tr> <tr> <td>21.3 X 1.8 X 13.7 (inch) 542 X 46 X 349 (mm)</td> <td>(Touch) 14.0 / 6.34 (Non-touch) 13.5 / 6.13</td> <td>N/A</td> </tr> <tr> <td colspan="3">With Full Function Monitor stand (No camera):</td> </tr> <tr> <td>21.3 X 9.9 X 15.9 to 20.2 (inch) 542 X 252 X 405 to 514 (mm)</td> <td>(Non-touch) 18.2 / 8.26</td> <td>Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°</td> </tr> <tr> <td colspan="3">With UltraFlex III stand (No camera):</td> </tr> <tr> <td>21.3 X 9.9 X 14.3 to 17.5 (inch) 542 X 252 X 363 to 444 (mm)</td> <td>(Touch) 19.7 / 8.94 (Non-touch) 19.2 / 8.73</td> <td>Tilt: 70° back, -5° forward; Lift: 136mm; Swivel: +/-45°</td> </tr> </tbody> </table>							Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand (No camera):			21.3 X 1.8 X 13.7 (inch) 542 X 46 X 349 (mm)	(Touch) 14.0 / 6.34 (Non-touch) 13.5 / 6.13	N/A	With Full Function Monitor stand (No camera):			21.3 X 9.9 X 15.9 to 20.2 (inch) 542 X 252 X 405 to 514 (mm)	(Non-touch) 18.2 / 8.26	Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	With UltraFlex III stand (No camera):			21.3 X 9.9 X 14.3 to 17.5 (inch) 542 X 252 X 363 to 444 (mm)	(Touch) 19.7 / 8.94 (Non-touch) 19.2 / 8.73	Tilt: 70° back, -5° forward; Lift: 136mm; Swivel: +/-45°
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Power supply	150 watts, autosensing, 90% PSU																										
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available																										
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>• Lenovo Vantage</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Cyberlink Power2GO (only for models with DVD / DVD±RW)</li> <li>• Cyberlink Power2GO (only for models with DVD±RW)</li> <li>• LinkedIn</li> </ul>																										
Environment	ENERGY STAR® 7.0*, EPEAT™ Gold rating* (*not for non-OS models), ErP Lot 3, TCO AIO Computer certified, GREENGUARD® certified, TUV Eye comfort certified, TUV Low Blue Light certified, TUV Ultra Low Noise certified (on some models), RoHS-compliant																										
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus)																										
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																										

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Display	Multi-touch	Media Reader	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Camera	Speaker	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	End of Support	Ann Date (m/y)
10S60019US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	23.8" FHD (1920x1080) WVA AG	None	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60021US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60022US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	None	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60023US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60024US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60025US	US	i5-8500	vPro	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	None	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60026US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60027US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60028US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S60029US	US	i5-8500	vPro	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	10-point Multi-touch	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S6002AUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	23.8" FHD (1920x1080) WVA AG	None	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S6002BUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	DVD±RW	23.8" FHD (1920x1080) WVA AG	None	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18
10S6002CUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	23.8" FHD (1920x1080) WVA AG	None	3-in-1	9560 ac, 2x2 + BT5.0	None	None	1080p	3Wx2	UltraFlex III Stand	USB / USB	150W 90%	None	Win10 Pro 64	3-year, Onsite	Aug 24, 2024	07/18





# ThinkCentre M600 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor N3000 Series or Intel Pentium® Processor N3000 Series						Keyboard <i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo USB Fingerprint Keyboard (USB connector) <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black												
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics													
	Celeron N3050	2 / 2	1.6 / 2.16 GHz	2MB	DDR3L-1600	Intel HD													
	Celeron J3060	2 / 2	1.6 / 2.48 GHz	2MB	DDR3L-1600	Intel HD 400													
	Pentium N3700	4 / 4	1.6 / 2.4 GHz	2MB	DDR3L-1600	Intel HD													
	Pentium J3710	4 / 4	1.6 / 2.64 GHz	2MB	DDR3L-1600	Intel HD 405													
Chipset	Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution						Mechanical • Tiny (1L), black color, metal case <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> </tr> </thead> <tbody> <tr> <td>M600 Tiny only (1L)</td> <td>7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm</td> <td>2.9 lb (1.3 kg)</td> </tr> <tr> <td>M600 Tiny (1L) with VESA mount &amp; ODD box</td> <td>7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm</td> <td>4.12 lb (1.87 kg)</td> </tr> <tr> <td>M600 Tiny (1L) with VESA mount &amp; I/O box</td> <td>7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm</td> <td>3.53 lb (1.6 kg)</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Max weight (lb / kg)	M600 Tiny only (1L)	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.9 lb (1.3 kg)	M600 Tiny (1L) with VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	4.12 lb (1.87 kg)	M600 Tiny (1L) with VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.53 lb (1.6 kg)
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M600 Tiny (1L) with VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	4.12 lb (1.87 kg)																	
M600 Tiny (1L) with VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.53 lb (1.6 kg)																	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11.1, twoDisplayPort™, one optional 3rd DP (not support DP to HDMI dongle) or VGA, supports triple independent display; Maximum resolution: 3840x2160(DP)@30Hz; 1920x1200(optional VGA)@60Hz; 1920x1080(DP to VGA dongle)@60Hz; 1920x1080(DP to DVI dongle)@60Hz; 3840x2160(DP to HDMI dongle)@30Hz																		
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle																		
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600, non-parity, one 204-pin SO-DIMM socket																		
Storage	<i>Some:</i> hard disk, 5400 or 7200 rpm, SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide																		
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> external ODD box with DVD-ROM, 9.5mm high, via USB <i>Some:</i> external ODD box with DVD±RW, 9.5mm high, via USB <i>Some:</i> external ODD box (for TIO) with DVD-ROM, 9.5mm high, via USB <i>Some:</i> external ODD box (for TIO) with DVD±RW, 9.5mm high, via USB																		
Onboard SATA Media reader	SATA 6.0Gb/s controller, one connectors on planar None																		
Front ports*	Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)																		
Rear ports*	Two USB 2.0, two USB 3.0 (optional external optical box or I/O box occupies one or two specific USB on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, or serial on some models), one headphone																		
I/O box*	Optional external I/O box, extends two USB 2.0, two USB 3.0, and one serial on rear, two USB 2.0 on front, via USB (occupy two specific USB 3.0 of M600 Tiny) * Depending on many factors, actual data transfer speed may be lower than theoretical speed																		
Audio support	High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)																		
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2																		
Bluetooth™	<i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter																		
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®																		
Modem	None																		
Manageability	None																		
Security chip	Trusted Platform Module, TCG 1.2-compliant																		
Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>• Padlock loop</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on password</li> <li>• Administrator password</li> <li>• Hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Chassis intrusion switch</li> </ul>																		
Environment	ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*not for non-OS models); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3																		
Accessories	For compatible accessories, please go to TC-AQP sheet																		

See footnotes for more detailed information

Lenovo, November 2017



Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10G9000NUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	10/15
10G9000WUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	04/16
10G9000XUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G9000YUS	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	05/16
10G90010US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	05/16
10G90011US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	05/16
10G90012US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	05/16
10G90013US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G90014US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G90015US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	05/16
10G90016US	US	1L	Pentium N3700	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	05/16
10G9001CUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	07/16
10G9001DUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	07/16
10G9001EUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	07/16
10G9001FUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	07/16
10G9001GUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	07/16
10G9001HUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	07/16
10G9001QUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001RUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001SUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16

Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10G9001TUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	128GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001UUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001VUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16
10G9001WUS	US	1L	Pentium J3710	No	Intel HD 405	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 3165 ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	1-year, Onsite	09/16

# ThinkCentre M600 Tiny - TopSeller - 10GB

Product Specifications Reference (PSREF)

Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10GB000JUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/15
10GB000KUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	500GB 7200rpm 2.5"	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10GB000LUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	10/15
10GB000MUS	US	1L	Celeron N3050	No	Intel HD	None	4GBx1	120GB SSD	None	Intel 8260 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/15



# ThinkCentre M600 Tiny Thin Client Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor N3000 Series or Intel Pentium® Processor N3000 Series						Keyboard <i>Some:</i> PS/2 Keyboard (PS/2 connector), Lenovo logo (for 2L models) <i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> PS/2 Optical Wheel Mouse, black, Lenovo logo (for 2L models) <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black									
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics										
	Celeron N3000	2 / 2	1.04 / 2.08 GHz	2MB	DDR3L-1600	Intel HD										
	Celeron N3010	2 / 2	1.04 / 2.24 GHz	2MB	DDR3L-1600	Intel HD 400										
Chipset	Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution						Mechanical • Tiny (1L or 2L), black color, metal case <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> </tr> </thead> <tbody> <tr> <td>M600 Tiny only (1L)</td> <td>7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm</td> <td>2.9 lb (1.3 kg)</td> </tr> <tr> <td>M600 Tiny only (2L)</td> <td>7.05" X 7.20" X 3.15" 179mm X 182.9mm X 80mm</td> <td>4.2 lb (1.9 kg)</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Max weight (lb / kg)	M600 Tiny only (1L)	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.9 lb (1.3 kg)	M600 Tiny only (2L)	7.05" X 7.20" X 3.15" 179mm X 182.9mm X 80mm	4.2 lb (1.9 kg)
	Dimensions (WxDxH)	Max weight (lb / kg)														
M600 Tiny only (1L)	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.9 lb (1.3 kg)														
M600 Tiny only (2L)	7.05" X 7.20" X 3.15" 179mm X 182.9mm X 80mm	4.2 lb (1.9 kg)														
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11.1, twoDisplayPort™, one optional 3rd DP (not support DP to HDMI dongle) or VGA, supports triple independent display; Maximum resolution: 3840x2160(DP)@30Hz; 1920x1200(optional VGA)@60Hz; 1920x1080(DP to VGA dongle)@60Hz; 1920x1080(DP to DVI dongle)@60Hz; 3840x2160(DP to HDMI dongle)@30Hz															
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle															
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600, non-parity, one 204-pin SO-DIMM socket						VESA mount Optional VESA mount bracket kit, supports VESA 75mm and 100mm									
Storage	16GB, 32GB, or 128GB M.2 Solid State Drive (SSD), SATA interface						Floor Stand Optional system floor stand for vertical orientation									
Optical	None						Power supply 65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)									
Onboard SATA	SATA 6.0Gb/s controller, one connectors on planar						Limited warranty <sup>3</sup> <i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>									
Media reader	None						Preload <i>Some:</i> Windows Embedded Standard 7 (WES 7) <i>Some:</i> Windows Embedded Standard 7 V2 (WES 7 V2) <i>Some:</i> Windows 10 IoT Enterprise <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based) <i>Some:</i> LeTOS V2 (Lenovo Terminal Operating System, Linux-based)									
Front ports*	Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
Rear ports*	Two USB 2.0, two USB 3.0, ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, or serial on some models), one headphone; additional four serial (9-pin), one parallel (25-pin), and two PS/2 ports on 2L models * Depending on many factors, actual data transfer speed may be lower than theoretical speed															
I/O box	None						Environment ENERGY STAR® 6.0*, EPEAT™ Gold rating* (*not for non-OS models); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3									
Audio support	High Definition (HD) Audio, Realtek ALC223 / optional internal speaker (1 watt)						Accessories For compatible accessories, please go to TC-AQP sheet									
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 (only for 1L models)															
Bluetooth™	<i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter															
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®															
Modem	None															
Manageability	None															
Security chip	Trusted Platform Module, TCG 1.2-compliant															
Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>• Padlock loop</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on password</li> <li>• Administrator password</li> <li>• Hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Chassis intrusion switch</li> </ul>															

Note: The specifications above may not be available in all regions.

Lenovo, November 2017

Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10KH0001US	US	1L	Celeron N3000	No	Intel HD	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	01/16
10KH0003US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	01/16
10KH0007US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	01/16
10KH0008US	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	01/16
10KH000BUS	US	1L	Celeron N3000	No	Intel HD	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS	1-year, Onsite	01/16
10KH000CUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS	1-year, Onsite	01/16
10KH000FUS	US	1L	Celeron N3000	No	Intel HD	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS	1-year, Onsite	01/16
10KH0023US	US	1L	Celeron N3010	No	Intel HD 400	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS	1-year, Onsite	07/16
10KH0024US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS	1-year, Onsite	07/16
10KH0025US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	07/16
10KH0026US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	07/16
10KH0027US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS	1-year, Onsite	07/16
10KH0028US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	07/16
10KH0029US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7	1-year, Onsite	07/16
10KH002VUS	US	1L	Celeron N3010	No	Intel HD 400	None	2GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	01/17
10KH002WUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	01/17
10KH002XUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	01/17
10KH002YUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	01/17
10KH0030US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	01/17
10KH0031US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	01/17
10KH0032US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	16GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	01/17
10KH0033US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	01/17
10KH0034US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	01/17
10KH003MUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	None	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	03/17
10KH003PUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH003QUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH003RUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	04/17
10KH003SUS	US	1L	Celeron N3010	No	Intel HD 400	None	8GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	04/17

Model	Region	Case 1L/2L	Processor	vPro	Graphics	Monitor Cable	Memory	Storage	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (m/y)
10KH0047US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	05/17
10KH0048US	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	05/17
10KH0049US	US	1L	Celeron N3010	No	Intel HD 400	None	2GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	None	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	05/17
10KH004AUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	Serial	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	05/17
10KH004BUS	US	1L	Celeron N3010	No	Intel HD 400	None	4GBx1	32GB SSD M.2	None	RTL8821AE ac, 1x1 + BT4.0	VGA	Switch	None	1Wx1	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	05/17





# ThinkCentre M625 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A9 series APU						Keyboard Mouse	Some: Fullsize USB Keyboard (USB connector), black, Lenovo logo Some: USB Optical Wheel Mouse, black, Lenovo logo	
	APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics		Mechanical	Tiny (1L), black color; metal case • Toolless chassis open (for models with optional toolless chassis screw) • Toolless HDD, SSD, memory, Wi-Fi removal • Optional dust filter M625 Tiny only: 7.05" W X 7.20" D X 1.36" H 179mm W X 182.9mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation
	A9-9420e	2	1.8 / 2.7 GHz	1 MB	DDR4-1866	Radeon R5 Series			
Memory	8GB max, DDR4-1866, one 260-pin SO-DIMM socket								
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 128GB M.2 Solid State Drive (SSD) / PCIe NVMe interface Some: 256GB M.2 Solid State Drive (SSD) / PCIe NVMe interface								
Optical	None								
Onboard SATA	one SATA 6.0Gb/s connector on planar						VESA mount		
Media reader	None						Floor Stand		
Graphics	<b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional port (VGA or USB 2.0 Type-C with DisplayPort Alternate Mode), supports up to 2 independent displays; Max resolution: 3840x2160 (DP)@60Hz; 2048x1280 (VGA)@60Hz; 3840x2160 (USB 2.0 Type-C)@60Hz						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle						Limited warranty <sup>3</sup>	Some: 1-year, depot service / service upgrades available Some: 1-year, limited onsite service / service upgrades available	
Chipset	<b>AMD SoC platform</b>						Preload	<b>Preloaded operating system</b> Some: Windows® 10 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit	<b>Preloaded applications (only some listed)</b> - Windows 10 only • Lenovo Vantage • LinkedIn • Microsoft Office preloaded; purchase a product key to activate - Windows 7 only • Lenovo Solution Center • Lenovo System Update • Factory Recovery • User Guide Viewer • Microsoft Office preloaded; purchase a product key to activate • Adobe® Reader®
Front ports*	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)						Environment	ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*Not for non-OS models), ErP Lot 3, RoHS-compliant, WEEE, TCO	
Rear ports*	One USB 3.1 Gen1, three USB 2.0, ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / serial / USB 2.0 Type-C (with DisplayPort Alternate Mode), Port 2 for serial)						MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)	
I/O box	None						Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>	
Audio support	High Definition (HD) Audio, Realtek ALC233-VB2-CG/ internal speaker (1.5 watt)								
WLAN <sup>13</sup>	Some: 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2								
Bluetooth™	Some: Bluetooth 4.2* wireless, integrated in Wi-Fi + BT combo adapter * Win 10 RS3 and Win10 earlier version only support Bluetooth 4.1								
Ethernet Modem	Gigabit ethernet, Realtek RTL8111HN, Wake on LAN®								
Manageability	None								
Security chip	Discrete TPM 2.0, TCG Certified								
Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on password</li> </ul>		<ul style="list-style-type: none"> <li>• Administrator password</li> <li>• Hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Chassis intrusion switch</li> </ul>						

ThinkCentre M625 Tiny - TopSeller - 10TF

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	Warranty	Ann Date (m/y)
10TF000EUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000FUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	4GBx1	1TB 5400rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000GUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000HUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000JUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	4GBx1	1TB 5400rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000KUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000LUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	500GB 7200rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000MUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	1TB 5400rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000NUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000PUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000QUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	500GB 7200rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000RUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	1TB 5400rpm 2.5"	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18
10TF000SUS	US	AMD A9-9420e	No	AMD R5 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	1-year, Onsite	04/18

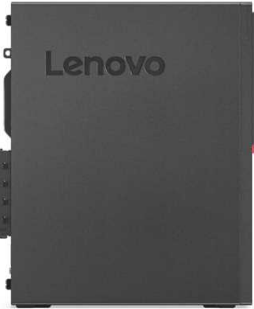


# ThinkCentre M625 Tiny Thin Client Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD E2 series APU						Keyboard Mouse	<i>Some:</i> Fullsize USB Keyboard (USB connector), black, Lenovo logo <i>Some:</i> USB Optical Wheel Mouse, black, Lenovo logo
	APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics		
	E2-9000e	2	1.5 / 2.0 GHz	1 MB	DDR4-1866	Radeon R2 Series		
Memory	8GB max, DDR4-1866, one 260-pin SO-DIMM socket						Mechanical	Tiny (1L), fan-less design, black color, metal case • Toolless chassis open (for models with optional toolless chassis screw) • Toolless SSD, memory, Wi-Fi removal M625 Tiny Thin Client only: 7.05" W X 7.20" D X 1.36" H 179mm W X 182.9mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation
Disk	<i>Some:</i> 32GB M.2 Solid State Drive (SSD) / SATA interface <i>Some:</i> 128GB M.2 Solid State Drive (SSD) / PCIe NVMe interface							
Optical	None						VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation
Onboard SATA	one SATA 6.0Gb/s connector on planar							
Media reader	None						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)
Graphics	<b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional port (VGA or USB 2.0 Type-C with DisplayPort Alternate Mode), supports up to 2 independent displays; <i>Max resolution:</i> 3840x2160 (DP) @60Hz; 2048x1280 (VGA) @60Hz; 3840x2160 (USB 2.0 Type-C) @60Hz						Limited warranty <sup>3</sup>	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year, limited onsite service / service upgrades available
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle						Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows Embedded Standard 7 V2 (WES 7 V2) <i>Some:</i> Windows 10 IoT Enterprise <i>Some:</i> LeTOS V2 (Lenovo Terminal Operating System, Linux-based)
Chipset	<b>AMD SoC platform</b>						Environment	ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*Not for non-OS models), ErP Lot 3, RoHS-compliant, WEEE, TCO
Front ports*	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)						MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)
Rear ports*	One USB 3.1 Gen1, three USB 2.0, ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / serial / USB 2.0 Type-C (with DisplayPort Alternate Mode), Port 2 for serial)							
I/O box	* Depending on many factors, actual data transfer speed may be lower than theoretical speed None						Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>
Audio support	High Definition (HD) Audio, Realtek ALC233-VB2-CG / internal speaker (1.5 watt)							
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2							
Bluetooth™	<i>Some:</i> Bluetooth 4.2* wireless, integrated in Wi-Fi + BT combo adapter * Win 10 RS3 and Win10 earlier version only support Bluetooth 4.1							
Ethernet	Gigabit ethernet, Realtek RTL8111HN, Wake on LAN®							
Modem	None							
Manageability	None							
Security chip	Discrete TPM 2.0, TCG Certified							
Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Power-on password</li> </ul>							<ul style="list-style-type: none"> <li>• Administrator password</li> <li>• Hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Chassis intrusion switch</li> </ul>

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	Warranty	Ann Date (m/y)
10TL0005US	US	AMD E2-9000e	No	AMD R2 Graphics	None	4GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	05/18
10TL0007US	US	AMD E2-9000e	No	AMD R2 Graphics	None	4GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	04/18
10TL0008US	US	AMD E2-9000e	No	AMD R2 Graphics	None	4GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	04/18
10TL0009US	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	04/18
10TL000AUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	04/18
10TL000BUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	04/18
10TL000CUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	4GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	05/18
10TL000DUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	04/18
10TL000FUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	4GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	04/18
10TL000LUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	05/18
10TL000MUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	04/18
10TL000NUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	05/18
10TL000PUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	4GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	04/18
10TL000QUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	1-year, Onsite	04/18
10TL000RUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	04/18
10TL000SUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	1-year, Onsite	04/18
10TL000TUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	QCA6174A ac, 2x2 + BT4.2	VGA + Serial	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	05/18
10TL000WUS	US	AMD E2-9000e	No	AMD R2 Graphics	None	8GBx1	32GB SSD M.2 SATA	QCA6174A ac, 2x2 + BT4.2	None	Chassis Intrusion Switch	None	1.5Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	1-year, Onsite	05/18



# ThinkCentre M710 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>																																																																								
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Pentium G4400</td> <td>2 / 2</td> <td>3.3G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 510</td> </tr> <tr> <td>Pentium G4560</td> <td>2 / 4</td> <td>3.5G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 610</td> </tr> <tr> <td>Pentium G4600</td> <td>2 / 4</td> <td>3.6G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i3-6100</td> <td>2 / 4</td> <td>3.7G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-7100</td> <td>2 / 4</td> <td>3.9G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610	Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630	Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																																																																						
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510																																																																						
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Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530																																																																						
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Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630																																																																						
Memory	64GB max, UDIMM, DDR4-2400, four 288-pin DIMM sockets, non-ECC, dual-channel capable* * System automatically clocks down for the processors with lower memory controller	Mouse																																																																									
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)	Mechanical	<ul style="list-style-type: none"> <li>SFF (8.4L), black color; metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.2 lb (6.0 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1*</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> <li>* Optional 2 front USB3.1 Type-C ports module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot</li> </ul>																																																																								
Optical	Three onboard SATA 6.0Gb/s connectors Optional 7-in-1 media reader	Floor Stand	Optional system floor stand for vertical orientation																																																																								
Onboard SATA Media reader		Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)																																																																								
Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; Max resolution: 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz <i>Some:</i> NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; Max resolution: 3840x2160 (DisplayPort) @60Hz;	Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available																																																																								
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4	Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>																																																																								
Chipset	Intel B250 Chipset	Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)																																																																								
Front ports*	Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)	Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																																																																								
Rear ports*	Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, two PS/2 ports (keyboard/mouse); additional DisplayPort on optional graphics on some models																																																																										
Rear audio ports* IEEE 1394*	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm) None * Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																																										
Audio support	High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )																																																																										
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2																																																																										
Bluetooth™ Ethernet Modem	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Realtek RTL8111GN, Wake on LAN® None																																																																										
Manageability Security chip	None TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS																																																																										

Note: The specifications above may not be available in all regions.

Lenovo, June 2017



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M7000DUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000EUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000FUS	US	i7-7700	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000GUS	US	i7-7700	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000HUS	US	i5-7400	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000JUS	US	i5-7400	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000KUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000LUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000MUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000NUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000PUS	US	i5-7400	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000QUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000RUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000SUS	US	i5-7400	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7000TUS	US	i7-7700	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M7002WUS	US	i5-7400	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7002XUS	US	Pentium G4560	No	Intel HD 610	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7002YUS	US	i3-7100	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M70030US	US	i5-6500	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70031US	US	i3-7100	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M70032US	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70033US	US	i7-6700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70034US	US	i5-7400	No	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M70035US	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70036US	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70037US	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70038US	US	i5-6500	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M70039US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003AUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003BUS	US	Pentium G4560	No	Intel HD 610	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7003CUS	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003DUS	US	i3-7100	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7003EUS	US	i7-6700	No	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003FUS	US	i3-6100	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003GUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003HUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003JUS	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003KUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003LUS	US	i3-7100	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7003MUS	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M7003NUS	US	i7-6700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003PUS	US	i3-6100	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003QUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003RUS	US	i5-6500	No	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003SUS	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	Optional 2nd 2.5" Bay	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003TUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M7003UUS	US	i3-7100	No	Intel HD 630	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M7006AUS	US	i5-7400	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	09/17
10M7006BUS	US	i7-7700	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	09/17
10M70070US	US	i5-7400	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/18
10M70071US	US	i3-7100	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	03/18



# ThinkCentre M710 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor						<b>Security features</b> <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul>
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	
	Pentium G4400T	2 / 2	2.9G	3 MB	DDR4-2133	HD 510	
	Pentium G4560T	2 / 4	2.9G	3 MB	DDR4-2400	HD 610	
	Pentium G4600T	2 / 4	3.0G	3 MB	DDR4-2400	HD 630	
	Core i3-6100T	2 / 4	3.2G	3 MB	DDR4-2133	HD 530	
	Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530	
	Core i7-6700T	4 / 8	2.8G / 3.6G	8 MB	DDR4-2133	HD 530	
	Core i3-7100T	2 / 4	3.4G	3 MB	DDR4-2400	HD 630	
	Core i5-7400T	4 / 4	2.4G / 3.0G	6 MB	DDR4-2400	HD 630	
	Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630	
Core i5-7600T	4 / 4	2.8G / 3.7G	6 MB	DDR4-2400	HD 630		
Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630		
Memory	32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box <i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box						
Optical	None						
Onboard SATA Media reader	One onboard SATA 6.0Gb/s connector						
Graphics	<b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays; <i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2304 (Type-C) @60Hz; 4096x2160 (HDMI) @24Hz; 1920x1200 (VGA) @60Hz						
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4						
Chipset	<b>Intel B250 Chipset</b>						
Front ports*	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)						
Rear ports*	Four USB 3.1 Gen1 (optional external optical box or external I/O box occupies one or two specific USB 3.1 Gen1 on some models), ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode), Port 2 for serial)						
I/O box*	Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy two specific USB 3.1 Gen1 of Tiny) * Depending on many factors, actual data transfer speed may be lower than theoretical speed						
Audio support	High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)						
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2						
Bluetooth™ Ethernet Modem	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Intel Ethernet Connection I219-V (Jacksonville), Wake on LAN® None						
Manageability Security chip	None TPM (Trusted Platform Module) 2.0*, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS						
VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation						
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models) 90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)						
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available						
Preload	<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>						
Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)						
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)						
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>						

See footnotes for more detailed information

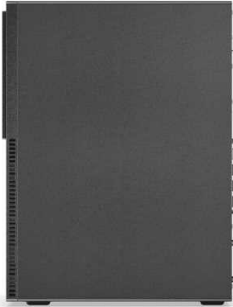
Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MR0001US	US	i7-7700T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0002US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0003US	US	i7-7700T	No	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0004US	US	i5-7500T	No	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Feb 21, 2022	02/17
10MR0005US	US	i5-7500T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0006US	US	i5-7500T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0007US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0008US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR0009US	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000AUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000BUS	US	i7-7700T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000CUS	US	i5-7500T	No	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000DUS	US	i5-7500T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000EUS	US	i7-7700T	No	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000FUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000GUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000HUS	US	i7-7700T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000JUS	US	i5-7500T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR000KUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MR002PUS	US	i3-7100T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MR002QUS	US	i3-7100T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002RUS	US	Pentium G4560T	No	Intel HD 610	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002SUS	US	i3-7100T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002TUS	US	i3-7100T	No	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002UUS	US	i3-7100T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002VUS	US	i3-7100T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002WUS	US	i3-7100T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR002XUS	US	i3-7100T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 6, 2023	03/17
10MR003UUS	US	i5-7500T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR003VUS	US	i5-7500T	No	Intel HD 630	None	8GB	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR003WUS	US	i7-7700T	No	Intel HD 630	None	8GB	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR003XUS	US	i5-7400T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR003YUS	US	i5-7400T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0040US	US	i5-7400T	No	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0041US	US	i5-7400T	No	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0042US	US	i5-7400T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0043US	US	i5-7400T	No	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0044US	US	i5-7400T	No	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0045US	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0046US	US	i7-6700T	No	Intel HD 530	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MR0047US	US	i5-6500T	No	Intel HD 530	None	8GB	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Mar 21, 2022	03/17
10MR0048US	US	i5-6500T	No	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0049US	US	i3-6100T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004AUS	US	i3-6100T	No	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004BUS	US	i5-6500T	No	Intel HD 530	None	8GB	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004CUS	US	i5-6500T	No	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004DUS	US	i7-6700T	No	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004EUS	US	i3-6100T	No	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004FUS	US	i5-6500T	No	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004GUS	US	i3-6100T	No	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	DVD±RW	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004HUS	US	i5-6500T	No	Intel HD 530	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004JUS	US	i3-6100T	No	Intel HD 530	None	8GB	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004KUS	US	i7-6700T	No	Intel HD 530	None	8GB	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004LUS	US	i7-6700T	No	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR004MUS	US	i5-6500T	No	Intel HD 530	None	8GB	128GB SSD M.2 PCIe NVMe	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MR0062US	US	i5-7400T	No	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0063US	US	i5-7400T	No	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0064US	US	i7-7700T	No	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0065US	US	i7-7700T	No	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR0066US	US	i3-7100T	No	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MR0067US	US	i3-7100T	No	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MR006UUS	US	i3-7100T	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MR006VUS	US	i3-7100T	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.0	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MR006WUS	US	i5-7400T	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MR006XUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.0	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MR006YUS	US	i5-7500T	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.0	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MR0070US	US	i5-7400T	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	3165 ac, 1x1 + BT4.0	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18





# ThinkCentre M710 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability None Security chip TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS Security features <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	
	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	
	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610	
	Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630	
	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530	
	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	
	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	
	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630	
	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630	
	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	
	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630	
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630		
Memory	64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)						
Optical	Three onboard SATA 6.0Gb/s connectors Optional 7-in-1 media reader						
Onboard SATA Media reader	Optional 7-in-1 media reader						
Graphics	<b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; <i>Max resolution:</i> 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz <i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort) @60Hz; <i>Some:</i> <b>AMD Radeon™ R7 350</b> , DirectX 11, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 75 watts, occupies two slots; <i>Max resolution:</i> 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz						
Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)						
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available						
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>						
Monitor Cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4						
Chipset	<b>Intel B250 Chipset</b>						
Front ports*	Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)						
Rear ports*	Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, two PS/2 ports (keyboard/mouse); additional VGA, DisplayPort, or HDMI on optional graphics on some models						
Rear audio ports* IEEE 1394*	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm) None * Depending on many factors, actual data transfer speed may be lower than theoretical speed						
Audio support	High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )						
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2						
Bluetooth™	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter						
Ethernet	Gigabit ethernet, Realtek RTL8111GN, Wake on LAN®						
Modem	None						
Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)						
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>						

Note: The specifications above may not be available in all regions.

Lenovo, June 2017

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M9000EUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000FUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000GUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000HUS	US	i5-7400	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000JUS	US	i5-7400	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000KUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000LUS	US	i7-7700	No	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000MUS	US	i5-7400	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000NUS	US	i5-7400	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000PUS	US	i5-7400	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000QUS	US	i7-7700	No	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000RUS	US	i5-7400	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000SUS	US	i5-7400	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000TUS	US	i7-7700	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9000UUS	US	i7-7700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	02/17
10M9002UUS	US	i3-6100	No	Intel HD 530	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002VUS	US	i3-6100	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002WUS	US	Pentium G4400	No	Intel HD 510	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002XUS	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9002YUS	US	i7-6700	No	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M90030US	US	i7-6700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90031US	US	i5-6500	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90032US	US	i5-7400	No	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M90033US	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90034US	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90035US	US	i3-7100	No	Intel HD 630	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M90036US	US	i5-6500	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90037US	US	i3-7100	No	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M90038US	US	i5-6500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	3165 ac, 1x1 + BT4.1	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M90039US	US	i5-6500	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003AUS	US	i3-6100	No	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003BUS	US	i3-6100	No	Intel HD 530	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003CUS	US	i3-7100	No	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M9003DUS	US	Pentium G4560	No	Intel HD 610	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M9003EUS	US	i7-6700	No	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003FUS	US	i7-6700	No	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003GUS	US	i5-6500	No	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003HUS	US	i5-6500	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003JUS	US	i5-6500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17
10M9003KUS	US	i7-6700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10M9003LUS	US	i3-7100	No	Intel HD 630	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/17
10M9005NUS	US	i5-7400	No	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/18
10M9005PUS	US	i5-7400	No	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	03/18



# ThinkCentre M710e SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor						<p><b>Security features</b></p> <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional smart cable clip to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul> <p><b>Keyboard</b> Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black</p> <p><b>Mouse</b> Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black</p> <p><b>Mechanical</b></p> <ul style="list-style-type: none"> <li>SFF (7.4L), black color, metal case</li> <li>(WxDxH) 3.9" X 11.9" X 10.8"; 100mm X 303.5mm X 273.5mm</li> <li>Approx. 9.37 lb (4.25 kg), weight may vary by configuration</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, supports 2.5" or 3.5" HDD/SSD (2.5 to 3.5 bracket comes with disk)</li> <li>Slot 1: low-profile (length &lt; 152mm, height &lt; 64mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 152mm, height &lt; 64mm), PCIe 3.0 x1*</li> <li>M.2 card slots: one for SSD</li> <li>*Optional rear 2x USB2.0 / parallel occupies one expansion slot</li> </ul> <p><b>Floor Stand</b> Optional system floor stand for vertical orientation</p>
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	
	Celeron G3900	2 / 2	2.8G	2 MB	DDR4-2133	HD 510	
	Celeron G3930	2 / 2	2.9G	3 MB	DDR4-2133	HD 610	
	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	
	Pentium G4500	2 / 2	3.5G	3 MB	DDR4-2133	HD 530	
	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610	
	Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630	
	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530	
	Core i5-6400	4 / 4	2.7G / 3.3G	6 MB	DDR4-2133	HD 530	
	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	
	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	
	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630	
	Core i3-7300	2 / 4	4.0G	4 MB	DDR4-2400	HD 630	
	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630	
	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	
	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630	
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630		
Memory	32GB max, UDIMM, DDR4-2400*, two 288-pin DIMM sockets, non-ECC, dual-channel capable *System automatically clocks down for the processors with lower memory controller						
Storage	Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s						
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)						
Onboard SATA	Two onboard SATA 6.0Gb/s connectors						
Media reader	Optional 7-in-1 media reader						
Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, one DisplayPort™, supports 2 independent displays, works along with discrete graphics to support more displays; Max resolution: 4096x2160 (DP)@60Hz; 1920x1200 (VGA)@60Hz Some: NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; Max resolution: 3840x2160 (DisplayPort)@60Hz;						
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4						
Chipset	Intel B250 Chipset						
Front ports*	Two USB 3.1 Gen1, microphone (3.5mm), one headphone / microphone combo jack (3.5mm)						
Rear ports*	Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, one DisplayPort, optional external USB to PS/2 ports cable (for PS/2 keyboard / mouse); additional DisplayPort on optional graphics on some models						
Rear audio ports*	Line-out jack (3.5mm)						
IEEE 1394*	None * Depending on many factors, actual data transfer speed may be lower than theoretical speed						
Audio support	High Definition (HD) Audio, Realtek ALC233 / internal speaker (1.5 watt )						
WLAN <sup>13</sup>	None						
Bluetooth™	None						
Ethernet	Gigabit ethernet, Realtek RTL8111HN, Wake on LAN®						
Modem	None						
Manageability	None						
Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS						
Packaging	• (WxDxH) 7.7" X 15.4" X 19.7"; 195mm X 390mm X 500mm • Cross weight (approx.) 14.22 lb (6.45 kg)						
Power supply	Some: 180 watts, autosensing, 85% PSU						
Limited warranty <sup>3</sup>	Some: <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available Some: <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available						
Preload	<p><b>Preloaded operating system</b></p> <p>Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit Some: Windows 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit(not available with 7th Gen Intel processor)</p> <p><b>Preloaded applications (only some listed)</b></p> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (DVD, DVD±RW)</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>- Only for Window 10</li> <li>Lenovo Companion</li> <li>- Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo System Update</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> </ul>						
Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, RoHS-compliant, WEEE						
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>						

Note: The specifications above may not be available in all regions.

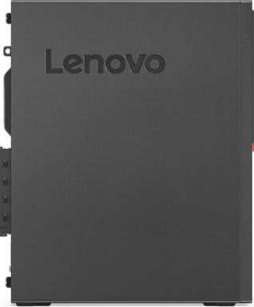
Lenovo, January 2018

ThinkCentre M710e SFF - TopSeller - 10UR

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10UR001JUS	US	i5-7400	No	Intel HD 630	None	4GBx2	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	USB / USB	Floor Stand	180W 85%	Win10 Pro 64	1-year, Onsite	02/18
10UR001LUS	US	i5-7400	No	Intel HD 630	None	4GBx2	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	USB / USB	Floor Stand	180W 85%	Win10 Pro 64	1-year, Onsite	02/18
10UR001MUS	US	i3-7100	No	Intel HD 630	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	USB / USB	Floor Stand	180W 85%	Win10 Pro 64	1-year, Onsite	02/18





# ThinkCentre M715 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A6 / A8 / A10 / A12 series APU and Ryzen 3 / 5 / 7 series processor	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>																																																												
	<table border="1"> <thead> <tr> <th>APU / processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>L2 Cache</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Ryzen 3 PRO 1200</td> <td>4 / 4</td> <td>3.1 / 3.4</td> <td>2MB</td> <td>None</td> </tr> <tr> <td>Ryzen 3 PRO 1300</td> <td>4 / 4</td> <td>3.5 / 3.7</td> <td>2MB</td> <td>None</td> </tr> <tr> <td>Ryzen 5 PRO 1500</td> <td>4 / 8</td> <td>3.5 / 3.7</td> <td>2MB</td> <td>None</td> </tr> <tr> <td>Ryzen 7 PRO 1700</td> <td>8 / 16</td> <td>3.0 / 3.7</td> <td>4MB</td> <td>None</td> </tr> <tr> <td>PRO A6-8570</td> <td>2 / 2</td> <td>3.5 / 3.8</td> <td>1MB</td> <td>Radeon R5 Series</td> </tr> <tr> <td>PRO A10-8770</td> <td>4 / 4</td> <td>3.5 / 3.8</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A12-8870</td> <td>4 / 4</td> <td>3.7 / 4.2</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A6-9500</td> <td>2 / 2</td> <td>3.5 / 3.8</td> <td>1MB</td> <td>Radeon R5 Series</td> </tr> <tr> <td>PRO A8-9600</td> <td>4 / 4</td> <td>3.1 / 3.4</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A10-9700</td> <td>4 / 4</td> <td>3.5 / 3.8</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> <tr> <td>PRO A12-9800</td> <td>4 / 4</td> <td>3.8 / 4.2</td> <td>2MB</td> <td>Radeon R7 Series</td> </tr> </tbody> </table>	APU / processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Integrated Graphics	Ryzen 3 PRO 1200	4 / 4	3.1 / 3.4	2MB	None	Ryzen 3 PRO 1300	4 / 4	3.5 / 3.7	2MB	None	Ryzen 5 PRO 1500	4 / 8	3.5 / 3.7	2MB	None	Ryzen 7 PRO 1700	8 / 16	3.0 / 3.7	4MB	None	PRO A6-8570	2 / 2	3.5 / 3.8	1MB	Radeon R5 Series	PRO A10-8770	4 / 4	3.5 / 3.8	2MB	Radeon R7 Series	PRO A12-8870	4 / 4	3.7 / 4.2	2MB	Radeon R7 Series	PRO A6-9500	2 / 2	3.5 / 3.8	1MB	Radeon R5 Series	PRO A8-9600	4 / 4	3.1 / 3.4	2MB	Radeon R7 Series	PRO A10-9700	4 / 4	3.5 / 3.8	2MB	Radeon R7 Series	PRO A12-9800	4 / 4	3.8 / 4.2	2MB	Radeon R7 Series	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
APU / processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Integrated Graphics																																																											
Ryzen 3 PRO 1200	4 / 4	3.1 / 3.4	2MB	None																																																											
Ryzen 3 PRO 1300	4 / 4	3.5 / 3.7	2MB	None																																																											
Ryzen 5 PRO 1500	4 / 8	3.5 / 3.7	2MB	None																																																											
Ryzen 7 PRO 1700	8 / 16	3.0 / 3.7	4MB	None																																																											
PRO A6-8570	2 / 2	3.5 / 3.8	1MB	Radeon R5 Series																																																											
PRO A10-8770	4 / 4	3.5 / 3.8	2MB	Radeon R7 Series																																																											
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PRO A12-9800	4 / 4	3.8 / 4.2	2MB	Radeon R7 Series																																																											
		Mouse	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black																																																												
Memory	64GB max, UDIMM, DDR4-2400, four 288-pin DIMM sockets, non-ECC, dual-channel capable* * System automatically clocks down for the processors with lower memory controller	Mechanical	<ul style="list-style-type: none"> <li>SFF (8.4L), black color; metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.2 lb (6.0 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (bay only comes with 2.5" 2nd disk)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 2.0 x1*</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 2.0 x1*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: two (one for WLAN, one for SSD)</li> <li>* Optional front USB3.1 Type-C x2 module occupies PCIe x16 slot (x4 card), optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot</li> </ul>																																																												
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s	Floor Stand	Optional system floor stand for vertical orientation																																																												
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)	Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)																																																												
Onboard SATA Media reader	Three onboard SATA 6.0Gb/s connectors Optional 7-in-1 media reader	Limited warranty	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available																																																												
Graphics	<b>AMD Radeon™ Graphics in processor</b> (not for AMD Ryzen processor), uses main memory, DirectX® 12, one VGA, two DisplayPort™ (Onboard VGA and DP ports are invalid on the models with AMD Ryzen processor), supports 3 independent displays, works along with AMD discrete graphics to support more displays; <i>Max resolution:</i> 4096x2160 (DP)@60Hz; 1920x1200 (VGA)@60Hz <i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;	Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (Only available with Pro A6/A10/A12-8xxx APUs) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink Power2Go Create (DVD±RW)</li> </ul>																																																												
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4	Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant																																																												
Chipset	<b>AMD B350 Chipset</b>	Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																																																												
Front ports*	Two USB 3.1 Gen2, two USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)																																																														
Rear ports*	Two USB 3.1 Gen1, two USB 2.0, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA and two DisplayPort (not available on models with AMD Ryzen processor), two PS/2 ports (keyboard / mouse); additional DisplayPort on optional graphics on some models																																																														
Rear audio ports*	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)																																																														
IEEE 1394*	None																																																														
	* Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																														
Audio support	High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )																																																														
WLAN	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1																																																														
Bluetooth™	<i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter																																																														
Ethernet	Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®																																																														
Modem	None																																																														
Manageability	DASH																																																														
Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS																																																														

Note: The specifications above may not be available in all regions.

Lenovo, July 2017

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB0018US	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB0019US	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001AUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001BUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001CUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001DUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001EUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001FUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001GUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001HUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001JUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001KUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001LUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001MUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001NUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001PUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001QUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001RUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB001SUS	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001TUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB001UUS	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001VUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001WUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001XUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB001YUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0020US	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0021US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0022US	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0023US	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0024US	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0025US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0026US	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0027US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0028US	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB0029US	US	AMD PRO A6-8570	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002AUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002BUS	US	AMD PRO A10-8770	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002CUS	US	AMD PRO A12-8870	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	07/17
10MB002DUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002EUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB002FUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002GUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002HUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002JUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002KUS	US	AMD PRO A12-9800	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002LUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002MUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	06/17
10MB002PUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002QUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002RUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002SUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002TUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002UUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002VUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002WUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002XUS	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB002YUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0030US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0031US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821Ae ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0032US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10MB0033US	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0034US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0035US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0036US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0037US	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0038US	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB0039US	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003AUS	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003BUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003CUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	4GBx1	128GB SSD	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003DUS	US	AMD Ryzen 5 PRO 1500	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003EUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003FUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003GUS	US	AMD Ryzen 7 PRO 1700	No	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17
10MB003HUS	US	AMD Ryzen 3 PRO 1200	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	RTL8821AE ac, 1x1 + BT4.0	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	07/17



# ThinkCentre M715 Tiny Platform Specifications

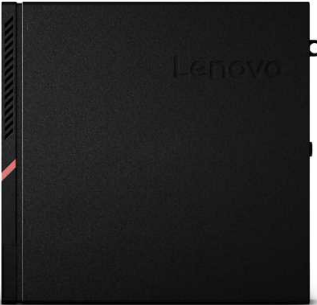
Product Specifications Reference (PSREF)

Processor	AMD A6, A10, or A12 series APUs						Keyboard	<i>Some:</i> Fullsize USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo New Slim USB Keyboard (USB connector), black, Lenovo logo
	APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics	Mouse	<i>Some:</i> USB Optical Wheel Mouse, black, Lenovo logo
	PRO A6-9500E	2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5 Series	Mechanical	Tiny (1L), black color; metal case
	PRO A10-9700E	4	3.0 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7 Series		M715 Tiny only: 7.05" W X 7.20" D X 1.36" H 179mm W X 182.9mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration
	PRO A12-9800E	4	3.1 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7 Series		With VESA mount & ODD box: 7.42" W X 7.30" D X 2.48" H 188.4mm W X 185.38mm D X 63mm H
	PRO A6-8570E	2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5 Series		4.12 lb (1.87 kg), weight may vary by configuration
	PRO A10-8770E	4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7 Series		With VESA mount & I/O box: 7.42" W X 7.30" D X 2.62" H 188.4mm W X 185.38mm D X 66.6mm H
PRO A12-8870E	4	2.9 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7 Series	3.53 lb (1.6 kg), weight may vary by configuration		
						Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation		
Memory	32GB max, DDR4 2400, two 260-pin SO-DIMM sockets, dual-channel capable *16GB single SO-DIMM memory is only available via special bid models						VESA mount	
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / SATA interface or PCIe NVMe interface						Floor Stand	
Optical	<i>Some:</i> DVD-ROM, 9.0mm high, via USB external ODD box <i>Some:</i> DVD±RW, 9.0mm high, via USB external ODD box						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models) 90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar						Limited warranty <sup>3</sup>	<i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available
Media reader	None						Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
Graphics	<b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional port (HDMI, VGA, or 3rd DP), supports 3 independent displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles); <i>Max resolution:</i> 4096x2160 (DP) @60Hz; 4096x2160 (HDMI) @30Hz; 1920x1200 (VGA) @60Hz						<b>Preloaded applications (only some listed)</b> - <i>Windows 10 only</i> ● Lenovo Companion ● Microsoft Office preloaded; purchase a product key to activate - <i>Windows 7 only</i> ● Lenovo Solution Center ● ThinkVantage System Update ● Create Recovery Media ● Lenovo ThinkVantage Tools ● CyberlinkPowerDVD Create(DVD±RW) ● Microsoft Office preloaded; purchase a product key to activate ● Adobe® Reader®	
DP cable	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle						Environment	ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*Not for non-OS models); ErP Lot 3; GREENGUARD®; RoHS-compliant
Chipset	<b>AMD B300 Chipset</b>						Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>
Front ports*	Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)							
Rear ports*	One USB 3.0 and three USB 2.0 (optional external optical box or I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone							
I/O box*	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2, via USB port (occupy one specific USB 2.0 of M715q Tiny) * Depending on many factors, actual data transfer speed may be lower than theoretical speed							
Audio support	High Definition (HD) Audio, Realtek ALC233-CG / internal speaker (1.5 watt)							
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1							
Bluetooth™	<i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter							
Ethernet	Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®							
Modem	None							
Manageability	DASH 1.0/1.1							
Security chip	Discrete TPM 2.0, TCG Certified							
Security features	<ul style="list-style-type: none"> <li>● Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>● Padlock loop</li> <li>● Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>● Power-on password</li> <li>● Administrator password</li> <li>● Hard disk password</li> <li>● Boot sequence control</li> <li>● Boot without keyboard and mouse</li> <li>● Individual USB port disablement</li> <li>● Chassis intrusion switch</li> </ul>							



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	Warranty	Ann Date (m/y)
10M30001US	US	AMD PRO A6-9500E	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	11/16
10M30002US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30003US	US	AMD A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30004US	US	AMD A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30005US	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30006US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30007US	US	AMD PRO A6-9500E	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30008US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M30009US	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M3000AUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M3000BUS	US	AMD A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M3000CUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M3000DUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	DVD±RW	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	10/16
10M3000NUS	US	AMD PRO A12-8870E	No	AMD R7 Graphics	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000PUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	01/17
10M3000QUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000RUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000SUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	DVD±RW	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000TUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	Warranty	Ann Date (m/y)
10M3000UUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000VUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000WUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	01/17
10M3000XUS	US	AMD PRO A12-8870E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M3000YUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17
10M30010US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	01/17
10M30011US	US	AMD PRO A12-8870E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 PCIe NVMe	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	01/17



# ThinkCentre M715 Tiny (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Athlon, A6, A10, A12, or Ryzen processor	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Administrator password</li> <li>Padlock loop</li> <li>Hard disk password</li> <li>Smart USB protection, allows keyboard/ mouse only, blocks all storage devices</li> <li>Boot sequence control</li> <li>Power-on password</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul>																																																																								
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max</th> <th>L2 Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Athlon 200GE</td> <td>2 / 4</td> <td>3.2 GHz</td> <td>1 MB</td> <td>DDR4-2933</td> <td>Radeon Vega 3</td> </tr> <tr> <td>Athlon PRO 200GE</td> <td>2 / 4</td> <td>3.2 GHz</td> <td>1 MB</td> <td>DDR4-2933</td> <td>Radeon Vega 3</td> </tr> <tr> <td>PRO A6-8570E</td> <td>2 / 2</td> <td>3.0 / 3.4 GHz</td> <td>1 MB</td> <td>DDR4-2400</td> <td>Radeon R5</td> </tr> <tr> <td>PRO A10-8770E</td> <td>4 / 4</td> <td>2.8 / 3.5 GHz</td> <td>2 MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>PRO A6-9500E</td> <td>2 / 2</td> <td>3.0 / 3.4 GHz</td> <td>1 MB</td> <td>DDR4-2400</td> <td>Radeon R5</td> </tr> <tr> <td>PRO A10-9700E</td> <td>4 / 4</td> <td>3.0 / 3.5 GHz</td> <td>2 MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>PRO A12-9800E</td> <td>4 / 4</td> <td>3.1 / 3.8 GHz</td> <td>2 MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>Ryzen 3 2200GE</td> <td>4 / 4</td> <td>3.2 / 3.6 GHz</td> <td>2 MB</td> <td>DDR4-2933</td> <td>Radeon Vega 8</td> </tr> <tr> <td>Ryzen 3 PRO 2200GE</td> <td>4 / 4</td> <td>3.2 / 3.6 GHz</td> <td>2 MB</td> <td>DDR4-2933</td> <td>Radeon Vega 8</td> </tr> <tr> <td>Ryzen 5 2400GE</td> <td>4 / 8</td> <td>3.2 / 3.8 GHz</td> <td>2 MB</td> <td>DDR4-2933</td> <td>Radeon RX Vega 11</td> </tr> <tr> <td>Ryzen 5 PRO 2400GE</td> <td>4 / 8</td> <td>3.2 / 3.8 GHz</td> <td>2 MB</td> <td>DDR4-2933</td> <td>Radeon RX Vega 11</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max	L2 Cache	Memory Support (Up to)	Integrated Graphics	Athlon 200GE	2 / 4	3.2 GHz	1 MB	DDR4-2933	Radeon Vega 3	Athlon PRO 200GE	2 / 4	3.2 GHz	1 MB	DDR4-2933	Radeon Vega 3	PRO A6-8570E	2 / 2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5	PRO A10-8770E	4 / 4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7	PRO A6-9500E	2 / 2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5	PRO A10-9700E	4 / 4	3.0 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7	PRO A12-9800E	4 / 4	3.1 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7	Ryzen 3 2200GE	4 / 4	3.2 / 3.6 GHz	2 MB	DDR4-2933	Radeon Vega 8	Ryzen 3 PRO 2200GE	4 / 4	3.2 / 3.6 GHz	2 MB	DDR4-2933	Radeon Vega 8	Ryzen 5 2400GE	4 / 8	3.2 / 3.8 GHz	2 MB	DDR4-2933	Radeon RX Vega 11	Ryzen 5 PRO 2400GE	4 / 8	3.2 / 3.8 GHz	2 MB	DDR4-2933	Radeon RX Vega 11	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
Processor	Cores / Threads	Frequency Base/Max	L2 Cache	Memory Support (Up to)	Integrated Graphics																																																																						
Athlon 200GE	2 / 4	3.2 GHz	1 MB	DDR4-2933	Radeon Vega 3																																																																						
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PRO A6-8570E	2 / 2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5																																																																						
PRO A10-8770E	4 / 4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7																																																																						
PRO A6-9500E	2 / 2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5																																																																						
PRO A10-9700E	4 / 4	3.0 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7																																																																						
PRO A12-9800E	4 / 4	3.1 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7																																																																						
Ryzen 3 2200GE	4 / 4	3.2 / 3.6 GHz	2 MB	DDR4-2933	Radeon Vega 8																																																																						
Ryzen 3 PRO 2200GE	4 / 4	3.2 / 3.6 GHz	2 MB	DDR4-2933	Radeon Vega 8																																																																						
Ryzen 5 2400GE	4 / 8	3.2 / 3.8 GHz	2 MB	DDR4-2933	Radeon RX Vega 11																																																																						
Ryzen 5 PRO 2400GE	4 / 8	3.2 / 3.8 GHz	2 MB	DDR4-2933	Radeon RX Vega 11																																																																						
		Mouse	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																																																																								
		Mechanical	Tiny (1L), black color; metal case <ul style="list-style-type: none"> <li>Toolless chassis open (need optional toolless chassis screw)</li> <li>Optional dust filter</li> </ul> M715 Gen2 Tiny only: 7.05" W X 7.20" D X 1.36" H 179mm W X 182.9mm D X 34.5mm H 2.91 lb (1.32 kg), weight may vary by configuration With VESA mount & ODD box: 7.42" W X 7.30" D X 2.48" H 188.4mm W X 185.38mm D X 63mm H 3.66 lb (1.66 kg), weight may vary by configuration Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation																																																																								
Memory	32GB max, DDR4 2666*, two 260-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for the lower memory controller	VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation																																																																								
Disk	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s	Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)																																																																								
Optical	<i>Some:</i> DVD-ROM, 9.0mm high, via USB external ODD box <i>Some:</i> DVD±RW, 9.0mm high, via USB external ODD box	Limited warranty	1-year or 3-year, limited onsite service / service upgrades available																																																																								
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit																																																																								
Graphics	<b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional port (HDMI, VGA, or 3rd DP), supports 3 independent displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles, and Athlon / Athlon PRO only support 2 displays); <i>Max resolution:</i> 4096x2160 (DP) @60Hz; 4096x2160 (HDMI) @30Hz; 1920x1200 (VGA) @60Hz	Preloaded applications (only some listed)	- Windows 10 only <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> <li>Windows 7 only</li> <li>Lenovo Solution Center</li> <li>ThinkVantage System Update</li> <li>Create Recovery Media</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Adobe® Reader®</li> </ul>																																																																								
Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, or DP to HDMI 1.4 dongle	Environment	ENERGY STAR® 7.0*, EPEAT™ Gold rating* (*Not for non-OS models); ErP Lot 3; ; RoHS-compliant																																																																								
Chipset	<b>AMD B300 Chipset</b>	MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)																																																																								
Front ports* (Std.)	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																																																																								
Rear ports* (Std.)	One USB 3.1 Gen1 and three USB 2.0, ethernet (RJ-45), two DisplayPort, one headphone																																																																										
Rear ports* (Opt.)	One optional port (VGA**, 3rd DP**, HDMI**, or serial on some models) * Depending on many factors, actual data transfer speed may be lower than theoretical speed ** Not support VGA, 3rd DP, HDMI for the models with Athlon / Athlon PRO																																																																										
Audio support	High Definition (HD) Audio, Realtek ALC233-VB2 / internal speaker (1.5 watt)																																																																										
WLAN	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 <i>Some:</i> Bluetooth 4.2* wireless, integrated in Wi-Fi + BT combo adapter * Hardware supports BT 4.2, but Win10 RS3 and earlier only supports BT 4.1 Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®																																																																										
Bluetooth																																																																											
Ethernet																																																																											
Manageability	DASH 1.0/1.1																																																																										
Security chip	Discrete TPM 2.0, TCG Certified																																																																										

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	OS	Warranty	Ann Date (m/y)
10VG0005US	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0006US	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0007US	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0008US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0009US	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000AUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000BUS	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000CUS	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000DUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000EUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000FUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000GUS	US	AMD PRO A6-9500E	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000HUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000JUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000KUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000LUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000MUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000NUS	US	AMD PRO A6-9500E	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	OS	Warranty	Ann Date (m/y)
10VG000PUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000QUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000RUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000SUS	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000TUS	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000UUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000VUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000WUS	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000XUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG000YUS	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0010US	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0011US	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0012US	US	AMD PRO A12-9800E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0013US	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0014US	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	4GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0015US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0016US	US	AMD PRO A10-9700E	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG0017US	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	500GB 7200rpm 2.5"	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	OS	Warranty	Ann Date (m/y)
10VG001GUS	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18
10VG001HUS	US	AMD Ryzen 5 PRO 2400GE	No	AMD RX Vega 11 Graphics	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Win10 Pro 64	3-year, Onsite	07/18





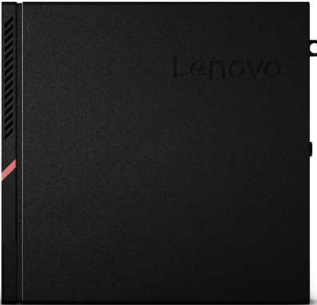
# ThinkCentre M715 Tiny Thin Client Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A6, A10, or A12 series APUs						Keyboard	<i>Some:</i> Fullsize USB Keyboard (USB connector), Lenovo logo
	APU	Cores	Frequency Base/Max	L2 Cache	Memory Types	Integrated Graphics	Mouse	<i>Some:</i> USB Optical Wheel Mouse, black, Lenovo logo
	PRO A6-8570E	2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5 Series	Mechanical	Tiny (1L), black color; metal case M715 Tiny only: 7.05" W X 7.20" D X 1.36" H 179mm W X 182.9mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation
	PRO A10-8770E	4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7 Series		
PRO A12-8870E*	4	2.9 / 3.8 GHz	2 MB	DDR4-2400	Radeon R7 Series			
*PRO A12-8870E (support Windows 10 IOT only) is only available via special bid models								
Memory	4GB max, DDR4 2400, two 260-pin SO-DIMM sockets						VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation
Disk	<i>Some:</i> 256GB Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"* *256GB SATA (support Windows 10 IOT only) is only available via special bid models <i>Some:</i> 32GB M.2 Solid State Drive (SSD) / SATA interface <i>Some:</i> 128GB M.2 Solid State Drive (SSD) / PCIe NVMe interface						Floor Stand	
Optical	None						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar						Limited warranty <sup>3</sup>	<i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available
Media reader	None						Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows Embedded Standard 7 V2 (WES 7 V2) <i>Some:</i> Windows 10 IoT Enterprise <i>Some:</i> LeTOS V2 (Lenovo Terminal Operating System, Linux-based)
Graphics	<b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional port (HDMI, VGA, or 3rd DP), supports 3 independent displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles); <i>Max resolution:</i> 4096x2160 (DP) @60Hz; 4096x2160 (HDMI) @30Hz; 1920x1200 (VGA) @60Hz						Environment	ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*not for non-OS models); ErP Lot 3; GREENGUARD®; RoHS-compliant
DP cable	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle						Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>
Chipset	<b>AMD B300 Chipset</b>							
Front ports*	Two USB 3.0 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)							
Rear ports*	One USB 3.0 and three USB 2.0 (optional external optical box or I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), two DisplayPort, one optional port (VGA, 3rd DP, HDMI, or serial on some models), one headphone							
I/O box	None							
Audio support	High Definition (HD) Audio, Realtek ALC233-CG / internal speaker (1.5 watt)							
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1							
Bluetooth™	<i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + BT combo adapter							
Ethernet	Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®							
Modem	None							
Manageability	DASH 1.0/1.1							
Security chip	Discrete TPM 2.0, TCG Certified							
Security features	<ul style="list-style-type: none"> <li>● Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>● Padlock loop</li> <li>● Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>● Power-on password</li> <li>● Administrator password</li> <li>● Hard disk password</li> <li>● Boot sequence control</li> <li>● Boot without keyboard and mouse</li> <li>● Individual USB port disablement</li> <li>● Chassis intrusion switch</li> </ul>							

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	Warranty	Ann Date (m/y)
10RB0000US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB0001US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB0002US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB0003US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB0004US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB0005US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB0006US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB0007US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB0008US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB0009US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB000AUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000BUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000CUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB000DUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000EUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB000FUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000GUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000HUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB000JUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000KUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	OS	Warranty	Ann Date (m/y)
10RB000LUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Windows 10 IoT Enterprise	3-year, Onsite	07/17
10RB000MUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB000NUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB000PUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB000QUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	Serial	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB000RUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB000SUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB000TUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	3rd DP	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17
10RB000UUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	HDMI	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	LeTOS V2	3-year, Onsite	07/17
10RB000VUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	RTL8821AE ac, 1x1 + BT4.0	VGA	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	WES 7 V2	3-year, Onsite	07/17



# ThinkCentre M715 Tiny Thin Client (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Athlon, A6, A10, or Ryzen processor	Keyboard	Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black																														
	<table border="1"> <thead> <tr> <th>APU</th> <th>Cores / Threads</th> <th>Frequency Base/Max</th> <th>L2 Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Athlon PRO 200GE</td> <td>2 / 4</td> <td>3.2 GHz</td> <td>1 MB</td> <td>DDR4-2933</td> <td>Radeon Vega 3</td> </tr> <tr> <td>PRO A6-8570E</td> <td>2 / 2</td> <td>3.0 / 3.4 GHz</td> <td>1 MB</td> <td>DDR4-2400</td> <td>Radeon R5</td> </tr> <tr> <td>PRO A10-8770E</td> <td>4 / 4</td> <td>2.8 / 3.5 GHz</td> <td>2 MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>Ryzen 3 PRO 2200GE</td> <td>4 / 4</td> <td>3.2 / 3.6 GHz</td> <td>2 MB</td> <td>DDR4-2933</td> <td>Radeon Vega 8</td> </tr> </tbody> </table>	APU	Cores / Threads	Frequency Base/Max	L2 Cache	Memory Support (Up to)	Integrated Graphics	Athlon PRO 200GE	2 / 4	3.2 GHz	1 MB	DDR4-2933	Radeon Vega 3	PRO A6-8570E	2 / 2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5	PRO A10-8770E	4 / 4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7	Ryzen 3 PRO 2200GE	4 / 4	3.2 / 3.6 GHz	2 MB	DDR4-2933	Radeon Vega 8	Mouse	Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Fingerpoint Mouse (USB connector), Windows Hello support, black Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
APU	Cores / Threads	Frequency Base/Max	L2 Cache	Memory Support (Up to)	Integrated Graphics																												
Athlon PRO 200GE	2 / 4	3.2 GHz	1 MB	DDR4-2933	Radeon Vega 3																												
PRO A6-8570E	2 / 2	3.0 / 3.4 GHz	1 MB	DDR4-2400	Radeon R5																												
PRO A10-8770E	4 / 4	2.8 / 3.5 GHz	2 MB	DDR4-2400	Radeon R7																												
Ryzen 3 PRO 2200GE	4 / 4	3.2 / 3.6 GHz	2 MB	DDR4-2933	Radeon Vega 8																												
Memory	8GB max, DDR4 2666*, two 260-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for the lower memory controller	Mechanical	Tiny (1L), black color; metal case • Toolless chassis open (need optional toolless chassis screw) • Optional dust filter M715 Gen2 Tiny only: 7.05" W X 7.20" D X 1.36" H 179mm W X 182.9mm D X 34.5mm H 2.91 lb (1.32 kg), weight may vary by configuration																														
Disk	Some: 32GB M.2 Solid State Drive (SSD) / SATA interface Some: 128GB M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 2	VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm																														
Optical	None	Floor Stand	Optional system floor stand for vertical orientation																														
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)																														
Graphics	<b>AMD Radeon™ Graphics</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional port (HDMI, VGA, or 3rd DP), supports 3 independent displays (supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles, and Athlon / Athlon PRO only support 2 displays); Max resolution: 4096x2160 (DP) @60Hz; 4096x2160 (HDMI) @30Hz; 1920x1200 (VGA) @60Hz	Limited warranty	1-year or 3-year, limited onsite service / service upgrades available																														
Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, or DP to HDMI 1.4 dongle	Preload	<b>Preloaded operating system</b> Some: Windows Embedded Standard 7 V2 (WES 7 V2) Some: Windows 10 IoT Enterprise Some: LeTOS V2 (Lenovo Terminal Operating System, Linux-based)																														
Chipset	<b>AMD B300 Chipset</b>	Environment	ENERGY STAR® 6.1*, EPEAT™ Gold rating* (*not for non-OS models); ErP Lot 3; RoHS-compliant																														
Front ports* (Std.)	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)																														
Rear ports* (Std.)	One USB 3.1 Gen1 and three USB 2.0, ethernet (RJ-45), two DisplayPort, one headphone	Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																														
Rear ports* (Opt.)	One optional port (VGA**, 3rd DP**, HDMI**, or serial on some models) * Depending on many factors, actual data transfer speed may be lower than theoretical speed ** Not support VGA, 3rd DP, HDMI for the models with Athlon / Athlon PRO																																
Audio support	High Definition (HD) Audio, Realtek ALC233-VB2 / internal speaker (1.5 watt)																																
WLAN	Some: 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 Some: Bluetooth 4.2* wireless, integrated in Wi-Fi + BT combo adapter																																
Bluetooth	* Hardware supports BT 4.2, but Win10 RS3 and earlier only supports BT 4.1																																
Ethernet	Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®																																
Manageability	DASH 1.0/1.1																																
Security chip	Discrete TPM 2.0, TCG Certified																																
Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Power-on password</li> </ul>	<ul style="list-style-type: none"> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul>																															

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	OS	Warranty	Ann Date (m/y)
10VL0003US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL0004US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB WES 7 V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL0005US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL0006US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB WES 7 V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL0007US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL0008US	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL0009US	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL000AUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL000BUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB WES 7 V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000CUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL000DUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000EUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000FUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000GUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18
10VL000HUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000JUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000KUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000LUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000MUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000NUS	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	Serial	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB LeTOS V2	Windows 10 IoT Enterprise	3-year, Onsite	11/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	OS	Warranty	Ann Date (m/y)
10VL000PUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	VGA	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000QUS	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000RUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	QCA6174A ac, 2x2 + BT4.2	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000SUS	US	AMD PRO A10-8770E	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	QCA6174A ac, 2x2 + BT4.2	Integrated	HDMI	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	Floor Stand	USB / USB	Windows 10 IoT Enterprise	3-year, Onsite	08/18
10VL000V++	US	AMD PRO A6-8570E	No	AMD R5 Graphics	None	4GBx1	32GB SSD M.2 SATA	None	None	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	None	USB / USB	Windows 10 IoT Enterprise	3-year, Onsite	03/19
10VL000W++	US	AMD Ryzen 3 PRO 2200GE	No	AMD Vega 8 Graphics	None	8GBx1	32GB SSD M.2 SATA	None	None	Integrated	3rd DP	Chassis Intrusion Switch	None	None	None	1.5Wx1	None	None	None	USB / USB	Windows 10 IoT Enterprise	3-year, Onsite	03/19





# ThinkCentre M720 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Ethernet Ethernet (Opt.)	Gigabit ethernet, Intel Ethernet Connection I219-V (Jacksonville), Wake on LAN® <i>Some:</i> Intel Ethernet Server Adapter I350-T4*, gigabit ethernet, 4x RJ-45, PCIe x4 <i>Some:</i> Bitland BN8E88*, gigabit ethernet, PCIe x1 (only available via special bid) * Choose either I350-T4 or BN8E88
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics		
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610		
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610		
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610		
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630		
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630		
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630		
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630		
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630		
	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630		
	Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630		
Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630			
Memory	64GB max, UDIMM, DDR4-2666, four 288-pin DIMM sockets, non-ECC, dual-channel capable* * System automatically clocks down for the processors with lower memory controller						Manageability Security chip Security features	None Discrete TPM 2.0, TCG Certified  <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Optional chassis intrusion switch</li> <li>Individual USB port disablement</li> <li>Optional chassis E-Lock (special bid)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * M.2 SSD (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm) Three onboard SATA 6.0Gb/s connectors Optional 7-in-1 media reader							
Optical								
Onboard SATA								
Media reader								
Graphics	Intel UHD Graphics 610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz <i>Some:</i> NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x16 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;							
Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle							
Chipset	Intel B360 Chipset							
Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)							
Front ports* (Opt.)	<i>Optional:</i> 1x media reader							
Rear ports* (Std.)	4x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)							
Rear ports* (Opt.)	<i>Optional:</i> 2x USB 3.1 Gen1 via PCI2 x1**, 2x USB 3.1 Type-C Gen2 via PCIe x4** (special bid only), 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), additional RJ-45 and video ports available on optional graphics or ethernet card * Depending on many factors, actual data transfer speed may be lower than theoretical speed ** Choose either 2x USB 3.1 Gen1 or 2x USB 3.1 Type-C Gen2							
Audio support	High Definition (HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)							
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2							
Bluetooth™	<i>Some:</i> Bluetooth 4.2 wireless, integrated in Wi-Fi + BT combo adapter							
Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid) <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)							
Mouse								
Mechanical	<ul style="list-style-type: none"> <li>SFF (8.4L), black color; metal case</li> <li>(WxDxH) 3.64" X 11.44" X 13.52"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.24 lb (6.0 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical, and extension card removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 147mm, height &lt; 68.9mm), PCIe 3.0 x16</li> <li>Slot 2: low-profile (length &lt; 147mm, height &lt; 68.9mm), PCIe 3.0 x1</li> <li>Slot 3: low-profile (length &lt; 147mm, height &lt; 68.9mm), PCIe 3.0 x1</li> <li>Slot 4: no slot, only bracket for optional port extension</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> </ul>							
Floor Stand	Optional system floor stand for vertical orientation							
Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 260 watts, autosensing, 92% PSU (only available via special bid)							
Limited warranty <sup>3</sup>	<i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available							
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> </ul>							
Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV low noise verified (coming soon, on some models), RoHS-compliant							
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>							

Note: The specifications above may not be available in all regions.

Lenovo, June 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10ST001QUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001RUS	US	i5-8400	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001TUS	US	i3-8100	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001UUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001VUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001WUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001XUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST001YUS	US	i7-8700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0020US	US	i5-8400	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0021US	US	Pentium Gold G5400	No	Intel UHD 610	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0022US	US	i3-8100	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0023US	US	Pentium Gold G5400	No	Intel UHD 610	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0024US	US	i5-8400	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0025US	US	i3-8100	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0026US	US	i3-8100	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0027US	US	i3-8100	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0028US	US	i7-8700	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST0029US	US	i7-8700	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST002AUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST002BUS	US	i7-8700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10ST002CUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST002DUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST002FUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST003PUS	US	i7-8700	No	Intel UHD 630	None	16GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST003QUS	US	i7-8700	No	Intel UHD 630	None	16GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10ST003RUS	US	i7-8700	No	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10ST004SUS	US	i5-8400	No	Intel UHD 630	None	16GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	01/19



# ThinkCentre M720 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability Security chip Security features	None Discrete TPM 2.0, TCG Certified ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Chassis intrusion switch ● Power-on password ● Administrator password ● Hard disk password	● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Smart USB protection, allows keyboard/mouse only, blocks all storage devices								
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics											
	Celeron G4900T	2 / 2	2.9G	2 MB	DDR4-2400	UHD 610											
	Pentium Gold G5400T	2 / 4	3.1G	4 MB	DDR4-2400	UHD 610											
	Pentium Gold G5500T	2 / 4	3.2G	4 MB	DDR4-2400	UHD 630											
	Core i3-8100T	4 / 4	3.1G	6 MB	DDR4-2400	UHD 630											
	Core i3-8300T	4 / 4	3.2G	8 MB	DDR4-2400	UHD 630											
	Core i5-8400T	6 / 6	1.7G / 3.3G	9 MB	DDR4-2666	UHD 630											
	Core i5-8500T	6 / 6	2.1G / 3.5G	9 MB	DDR4-2666	UHD 630											
	Core i5-8600T	6 / 6	2.3G / 3.7G	9 MB	DDR4-2666	UHD 630											
Core i7-8700T	6 / 12	2.4G / 4.0G	12 MB	DDR4-2666	UHD 630												
Memory	32GB max, DDR4-2666*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Mechanical Tiny (1L), black color; metal case ● Toolless chassis open (need optional toolless chassis screw) ● Toolless HDD, SSD, memory removal ● Optional dust filter one 2.5" bay for HDD/SSD, one PCIe 3.0 x8 slot (low-profile), two M.2 slots (one for WLAN, one for M.2 SSD), 2.5" HDD/SSD and PCIe card are mutually exclusive	<table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Weight (Approx. )</th> </tr> </thead> <tbody> <tr> <td>Tiny only</td> <td>7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm</td> <td>2.91 lb (1.32 kg), vary by config</td> </tr> <tr> <td>With VESA mount &amp; ODD box</td> <td>7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm</td> <td>3.66 lb (1.66 kg), vary by config</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Weight (Approx. )	Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config	With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config
	Dimensions (WxDxH)	Weight (Approx. )															
Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config															
With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config															
Storage	Some: Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4", 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s Some: Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 Some: DVD-ROM, slim (9.0mm), via USB external ODD box Some: DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box																
Optical	One onboard SATA 6.0Gb/s connector																
Onboard SATA	Intel HD Graphics 610/630 in processor, uses main memory, DirectX® 12, one DisplayPort™, one HDMI, one optional video port (2nd HDMI, VGA, 2nd DP, or USB 3.1 Type-C Gen1 with DisplayPort function), up to 3 independent displays; Max resolution: 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; 4096x2160 (onboard HDMI)@24Hz; 2048x1536 (VGA)@50Hz																
Graphics	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle																
Monitor cable	Intel B360 Chipset																
Chipset	one USB 3.1 Gen1 (Always On and fast charge), one USB 3.1 Type-C Gen 1, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)																
Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x ethernet (RJ-45), 1x DisplayPort, 1x HDMI																
Rear ports* (Std.)	Two optional ports (mutually exclusive with PCIe card): Port 1 for VGA / 2nd DP / 2nd HDMI / serial / USB 3.1 Type-C Gen 1 with DP function); Port 2 for serial; Optional ports via PCIe card: 2x USB 3.1 Gen1 via PCIe x1, 4x serial (9-pin) via PCIe x1 * Depending on many factors, actual data transfer speed may be lower than theoretical speed																
Rear ports* (Opt.)	Realtek ALC233VB2 / optional internal speaker (1.5 watt or 2 watt)																
Audio support	Some: 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2																
WLAN	Some: Bluetooth 4.2 wireless, integrated in Wi-Fi + BT combo adapter																
Bluetooth	Gigabit ethernet, Intel Ethernet Connection I219-V (Jacksonville), Wake on LAN®																
Ethernet	Some: Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4																
Ethernet (Opt.)																	
	Limited warranty						VESA mount Floor Stand Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	Power supply Some: 65 watts AC/DC adapter, autosensing, 88% PSU Some: 90 watts AC/DC adapter, autosensing, 88% PSU Some: 135 watts AC/DC adapter, autosensing, 88% PSU									
	Some: <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available Some: <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available																
	Preload																
	<b>Preloaded operating system</b> Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> ● Lenovo Vantage ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (only for models with DVD / DVD±RW) ● Cyberlink Power2GO (only for models with DVD±RW) ● LinkedIn																
	Environment																
	ENERGY STAR® 7.0, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV ultra low noise verified (coming soon, on some models), RoHS-compliant																
	MIL-SPEC test																
	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)																
	Accessories																
	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10T7001GUS	US	i3-8100T	No	Intel UHD 630	None	4GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001HUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001JUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	135W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001MUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001NUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001PUS	US	Pentium Gold G5400T	No	Intel UHD 610	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001QUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	135W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001RUS	US	Pentium Gold G5400T	No	Intel UHD 610	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001SUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	135W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001TUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	135W 88%	None	Win10 Pro	3-year, 64 Onsite	07/18
10T7001UUS	US	i3-8100T	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	07/18
10T7001WUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	135W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7001XUS	US	i3-8100T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70020US	US	i5-8400T	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	07/18
10T70022US	US	i5-8400T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70023US	US	i3-8100T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70025US	US	i5-8400T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	65W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70027US	US	i7-8700T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB Adapter	135W 88%	None	Win10 Pro	3-year, 64 Onsite	06/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10T70028US	US	i5-8400T	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10T7002AUS	US	i3-8100T	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10T7002BUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	VGA	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002CUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002DUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002EUS	US	Pentium Gold G5400T	No	Intel UHD 610	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002FUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002GUS	US	Pentium Gold G5400T	No	Intel UHD 610	None	4GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002HUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7002JUS	US	i5-8400T	No	Intel UHD 630	None	4GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70034US	US	i3-8100T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70035US	US	i3-8100T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70036US	US	i3-8100T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70037US	US	i7-8700T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70038US	US	i7-8700T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70039US	US	i7-8700T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003AUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003BUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10T7003CUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003DUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003EUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003FUS	US	i3-8100T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	None	4 Serial	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10T7003GUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	i350-T4 + Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10T7003HUS	US	i3-8100T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003JUS	US	i3-8100T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003KUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7003LUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7004VUS	US	Pentium Gold G5400T	No	Intel UHD 610	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7004WUS	US	i3-8100T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7004XUS	US	i7-8700T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T7004YUS	US	i5-8400T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70050US	US	i5-8400T	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70051US	US	i7-8700T	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	8265 ac, 2x2 + BT4.2	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70054US	US	i3-8100T	No	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70055US	US	i3-8100T	No	Intel UHD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18
10T70056US	US	i5-8400T	No	Intel UHD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	War-ranty	Ann Date (m/y)
10T70057US	US	i5-8400T	No	Intel UHD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2 + BT4.2	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	06/18



# ThinkCentre M720 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Ethernet Ethernet (Opt.)	Gigabit ethernet, Intel Ethernet Connection I219-V (Jacksonville), Wake on LAN® <i>Some:</i> Intel Ethernet Server Adapter I350-T4*, gigabit ethernet, 4x RJ-45, PCIe x4 <i>Some:</i> Bitland BN8E88*, gigabit ethernet, 1x RJ-45, PCIe x1 (special bid only) * Choose either I350-T4 or BN8E88
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics		
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610		
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610		
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610		
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630		
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630		
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630		
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630		
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630		
	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630		
Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630			
Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630			
Memory	64GB max, UDIMM, DDR4-2666*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Manageability Security chip Security features	None Discrete TPM 2.0, TCG Certified  <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Optional chassis intrusion switch</li> <li>Individual USB port disablement</li> <li>Optional chassis E-Lock (special bid)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)							
Optical	Three onboard SATA 6.0Gb/s connectors Optional 7-in-1 media reader							
Onboard SATA Media reader	Optional 7-in-1 media reader							
Graphics	<b>Intel UHD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz <i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x16 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;							
Monitor Cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle							
Chipset	<b>Intel B360 Chipset</b>							
Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)							
Front ports* (Opt.)	<i>Optional:</i> 1x media reader							
Rear ports* (Std.)	4x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)							
Rear ports* (Opt.)	<i>Optional:</i> 2x USB 3.1 Gen1 via PCIe x1**, 2x USB 3.1 Type-C Gen2 via PCIe x4** (special bid only), 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), additional RJ-45 and video ports available on optional graphics or ethernet card * Depending on many factors, actual data transfer speed may be lower than theoretical speed ** Choose either 2x USB 3.1 Gen1 or 2x USB 3.1 Type-C Gen2							
Audio support	High Definition (HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)							
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2							
Bluetooth™	<i>Some:</i> Bluetooth 4.2 wireless, integrated in Wi-Fi + BT combo adapter							
Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid) <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)							
Mouse	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)							
Mechanical	<ul style="list-style-type: none"> <li>Tower (15L), black color, metal case</li> <li>(WxDxH) 5.91" X 10.65" X 14.17"; 150mm X 270.5mm X 360mm</li> <li>Approx. 15.21 lb (6.9 kg), weight may vary by configuration</li> <li>Optional dust filter</li> </ul> Bay 1: Slim external ODD bay Bay 2: 3.5", 1" high, internal, HDD/SSD Bay 3: 3.5", 1" high, internal, HDD/SSD (optional bay) Slot 1: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x16 Slot 2: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x1 Slot 3: half-length full-height (length < 189mm, height < 104mm), PCIe 3.0 x1 Slot 4: no slot, only bracket for optional port extension M.2 card slots: Two (one for WLAN, one for SSD/Optane)							
Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 260 watts, autosensing, 92% PSU (only available via special bid)							
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available							
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> </ul>							
Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV low noise verified (coming soon, on some models), RoHS-compliant							
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>							

Note: The specifications above may not be available in all regions.

Lenovo, June 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10SQ000VUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ000WUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ000XUS	US	i3-8100	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0010US	US	i5-8400	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0011US	US	i7-8700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0012US	US	i3-8100	No	Intel UHD 630	None	4GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0013US	US	i5-8400	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0014US	US	i5-8400	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0015US	US	i7-8700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0016US	US	i3-8100	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0017US	US	i7-8700	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0018US	US	i7-8700	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0019US	US	i3-8100	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001AUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001BUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001DUS	US	Pentium Gold G5400	No	Intel UHD 610	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001FUS	US	i5-8400	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001GUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001HUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001JUS	US	i5-8400	No	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10SQ001KUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001LUS	US	Pentium Gold G5400	No	Intel UHD 610	None	8GBx1	1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001MUS	US	i3-8100	No	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2nd 3.5" bay	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ001NUS	US	i7-8700	No	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2nd 3.5" bay	DVD±RW	None	8265 ac, 2x2 + BT4.2	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ0039US	US	i7-8700	No	Intel UHD 630	None	16GBx1	256GB SSD M.2 PCIe NVMe Opal	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SQ003BUS	US	i7-8700	No	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SQ004NUS	US	i5-8400	No	Intel UHD 630	None	16GBx1	256GB SSD M.2 PCIe NVMe Opal	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	None	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	01/19



# ThinkCentre M725 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A6 / A8 / A10 / A12 and Ryzen 3 / 5 / 7 series processor						Ethernet	Gigabit ethernet, Realtek RTL8111EPV, Wake on LAN®																																																																		
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>L2 Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>PRO A6-9500</td> <td>2 / 2</td> <td>3.5 / 3.8</td> <td>1MB</td> <td>DDR4-2400</td> <td>Radeon R5</td> </tr> <tr> <td>PRO A8-9600</td> <td>4 / 4</td> <td>3.1 / 3.4</td> <td>2MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>PRO A10-9700</td> <td>4 / 4</td> <td>3.5 / 3.8</td> <td>2MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>PRO A12-9800</td> <td>4 / 4</td> <td>3.8 / 4.2</td> <td>2MB</td> <td>DDR4-2400</td> <td>Radeon R7</td> </tr> <tr> <td>Ryzen 3 2300X</td> <td>4 / 4</td> <td>3.5 / 4.0</td> <td>2MB</td> <td>DDR4-2933</td> <td>None</td> </tr> <tr> <td>Ryzen 5 2500X</td> <td>4 / 8</td> <td>3.6 / 4.0</td> <td>2MB</td> <td>DDR4-2933</td> <td>None</td> </tr> <tr> <td>Ryzen 3 PRO 2200G</td> <td>4 / 4</td> <td>3.5 / 3.6</td> <td>2MB</td> <td>DDR4-2933</td> <td>Radeon Vega 8</td> </tr> <tr> <td>Ryzen 5 PRO 2400G</td> <td>4 / 8</td> <td>3.6 / 3.8</td> <td>2MB</td> <td>DDR4-2933</td> <td>Radeon RX Vega 11</td> </tr> <tr> <td>Ryzen 5 PRO 2600</td> <td>6 / 12</td> <td>3.4 / 3.9</td> <td>3MB</td> <td>DDR4-2933</td> <td>None</td> </tr> <tr> <td>Ryzen 7 PRO 2700</td> <td>8 / 16</td> <td>3.2 / 4.1</td> <td>4MB</td> <td>DDR4-2933</td> <td>None</td> </tr> </tbody> </table>						Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Support (Up to)	Integrated Graphics	PRO A6-9500	2 / 2	3.5 / 3.8	1MB	DDR4-2400	Radeon R5	PRO A8-9600	4 / 4	3.1 / 3.4	2MB	DDR4-2400	Radeon R7	PRO A10-9700	4 / 4	3.5 / 3.8	2MB	DDR4-2400	Radeon R7	PRO A12-9800	4 / 4	3.8 / 4.2	2MB	DDR4-2400	Radeon R7	Ryzen 3 2300X	4 / 4	3.5 / 4.0	2MB	DDR4-2933	None	Ryzen 5 2500X	4 / 8	3.6 / 4.0	2MB	DDR4-2933	None	Ryzen 3 PRO 2200G	4 / 4	3.5 / 3.6	2MB	DDR4-2933	Radeon Vega 8	Ryzen 5 PRO 2400G	4 / 8	3.6 / 3.8	2MB	DDR4-2933	Radeon RX Vega 11	Ryzen 5 PRO 2600	6 / 12	3.4 / 3.9	3MB	DDR4-2933	None	Ryzen 7 PRO 2700	8 / 16	3.2 / 4.1	4MB	DDR4-2933	None	Ethernet (Opt.)	<i>Some:</i> Bitland BN8E88, gigabit ethernet, 1x RJ-45, PCIe x1 (special bid only)
	Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Support (Up to)	Integrated Graphics																																																																				
	PRO A6-9500	2 / 2	3.5 / 3.8	1MB	DDR4-2400	Radeon R5																																																																				
	PRO A8-9600	4 / 4	3.1 / 3.4	2MB	DDR4-2400	Radeon R7																																																																				
	PRO A10-9700	4 / 4	3.5 / 3.8	2MB	DDR4-2400	Radeon R7																																																																				
	PRO A12-9800	4 / 4	3.8 / 4.2	2MB	DDR4-2400	Radeon R7																																																																				
	Ryzen 3 2300X	4 / 4	3.5 / 4.0	2MB	DDR4-2933	None																																																																				
	Ryzen 5 2500X	4 / 8	3.6 / 4.0	2MB	DDR4-2933	None																																																																				
	Ryzen 3 PRO 2200G	4 / 4	3.5 / 3.6	2MB	DDR4-2933	Radeon Vega 8																																																																				
Ryzen 5 PRO 2400G	4 / 8	3.6 / 3.8	2MB	DDR4-2933	Radeon RX Vega 11																																																																					
Ryzen 5 PRO 2600	6 / 12	3.4 / 3.9	3MB	DDR4-2933	None																																																																					
Ryzen 7 PRO 2700	8 / 16	3.2 / 4.1	4MB	DDR4-2933	None																																																																					
Memory	64GB max, UDIMM, DDR4-2666*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * Systemboard supports up to DDR4-2666, memory frequency may automatically clocks down for the lower capability of memory controller in processor						Manageability	DASH 10/1.1																																																																		
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe and AMD A6 / A8 / A10 / A12 processor only supports PCIe 3.0 x 2, 16Gb/s						Security chip	Discrete TPM 2.0, TCG Certified																																																																		
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)						Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/ mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> </ul>																																																																		
Onboard SATA	Three onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)						Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid)																																																																		
Media reader	Optional 7-in-1 media reader						Mouse	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)																																																																		
Graphics	<b>AMD Radeon™ Graphics in processor</b> (only for some processors), uses main memory, DirectX® 12, one VGA, two DisplayPort™ (Onboard VGA and DP ports are only available on the models with integrated graphics), supports 3 independent displays, works along with AMD discrete graphics to support more displays; <i>Max resolution:</i> 4096x2160 (DP)@60Hz; 1920x1200 (VGA)@60Hz <i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB GDDR5, PCIe 2.0 x16 (x8 elec.) adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz						Mechanical	<ul style="list-style-type: none"> <li>SFF (8.4L), black color; metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.2 lb (6.0 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical removal</li> <li>Optional dust filter</li> </ul> Bay 1: Slim external ODD bay Bay 2: 3.5", internal, HDD/SSD Bay 3: 2.5", internal, HDD/SSD (bay only comes with 2.5" 2nd disk) Slot 1: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16 Slot 2: low-profile (length < 150mm, height < 68mm), PCIe 2.0 x1 Slot 3: low-profile (length < 150mm, height < 68mm), PCIe 2.0 x1 Slot 4: low-profile (length < 150mm, height < 68mm), PCI 3.0 M.2 card slots: two (one for WLAN, one for SSD)																																																																		
Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle, or DP to HDMI 1.4 dongle						Floor Stand	Optional system floor stand for vertical orientation																																																																		
Chipset	<b>AMD B450 Chipset</b>						Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 260 watts, autosensing, 92% PSU (only available via special bid)																																																																		
Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x microphone (3.5mm), 1x headphone (3.5mm)						Limited warranty	<b>1-year or 3-year, limited onsite service / service upgrades available</b>																																																																		
Front ports* (Opt.)	Optional: 1x media reader, 2x USB 3.1 Type-C Gen2 via PCIe card (special bid only)						Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> </ul>																																																																		
Rear ports* (Std.)	2x USB 3.1 Gen1, 2x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA**, 2x DisplayPort**, 2x PS/2 ports (keyboard / mouse); 1x line-in (3.5mm), 1x line-out (3.5mm), 1x microphone (3.5mm)						Environment	ENERGY STAR® 7.0*, EPEAT™ Gold rating* (*not for non-OS models); ErP Lot 3; RoHS-compliant																																																																		
Rear ports* (Opt.)	Optional: 2x USB 2.0, 1x 2nd serial (9-pin), 1x parallel (25-pin), additional RJ-45 and video ports available on optional graphics or ethernet card * Depending on many factors, actual data transfer speed may be lower than theoretical speed ** only available on the models with integrated graphics						Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																																																																		
Audio support	High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1 watt )																																																																									
WLAN	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2* combo adapter, 2x2																																																																									
Bluetooth™	<i>Some:</i> Bluetooth 4.2* wireless, integrated in Wi-Fi + BT combo adapter * Hardware supports BT 4.2, but Win10 RS3 and earlier only supports BT 4.1																																																																									

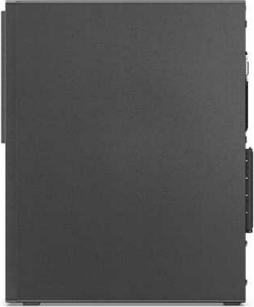
Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10VT0000US	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0001US	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	DVD±RW	None	QCA6174A ac, 2x2 + BT4.2	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0002US	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0003US	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0004US	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0005US	US	AMD Ryzen 7 PRO 2700	No	GT 730 2GB	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0006US	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	QCA6174A ac, 2x2 + BT4.2	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0007US	US	AMD Ryzen 7 PRO 2700	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0008US	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT0009US	US	AMD Ryzen 7 PRO 2700	No	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000AUS	US	AMD Ryzen 5 PRO 2600	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000BUS	US	AMD Ryzen 5 PRO 2400G	No	AMD RX Vega 11 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	QCA6174A ac, 2x2 + BT4.2	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000CUS	US	AMD Ryzen 5 PRO 2600	No	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000DUS	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	8GBx1	128GB SSD M.2 (2242) PCIe NVMe	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000EUS	US	AMD Ryzen 7 PRO 2700	No	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000FUS	US	AMD PRO A8-9600	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000GUS	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000HUS	US	AMD Ryzen 5 PRO 2400G	No	AMD RX Vega 11 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	QCA6174A ac, 2x2 + BT4.2	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000JUS	US	AMD Ryzen 5 PRO 2400G	No	AMD RX Vega 11 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000KUS	US	AMD PRO A6-9500	No	AMD R5 Graphics	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10VT000LUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000MUS	US	AMD PRO A10-9700	No	AMD R7 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000NUS	US	AMD Ryzen 5 PRO 2400G	No	AMD RX Vega 11 Graphics	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	DVD±RW	None	None	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18
10VT000PUS	US	AMD Ryzen 3 PRO 2200G	No	AMD Vega 8 Graphics	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	None	QCA6174A ac, 2x2 + BT4.2	Integrated	None	None	None	None	1.5Wx1	None	Stand	USB / USB	210W 85%	Win10 Pro 64	3-year, Onsite	07/18



# ThinkCentre M910 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Padlock loop</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>																																																
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-7300</td> <td>2 / 4</td> <td>4.0G / --</td> <td>4 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	Core i3-7300	2 / 4	4.0G / --	4 MB	DDR4-2400	HD 630	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630	Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																																														
Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530																																														
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530																																														
Core i3-7300	2 / 4	4.0G / --	4 MB	DDR4-2400	HD 630																																														
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630																																														
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630																																														
Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630																																														
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630																																														
		Mouse	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																																																
Memory	64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller	Mechanical	<ul style="list-style-type: none"> <li>SFF (8.4L), black color, metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 11.92 lb (5.4 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical, graphic card removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16*</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1*</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16 (x4 signal)*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> <li>* Optional 2 front USB3.1 Type-C ports module occupies PCIe x16 (x4 signal) slot, optional rear 2x USB2.0 / parallel / 2nd serial / cable lock / Wi-Fi antenna occupies one expansion slot</li> </ul>																																																
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)	Floor Stand	Optional system floor stand for vertical orientation																																																
Optical	Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)	Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 92% PSU (only available via special bid)																																																
Onboard SATA	Optional 7-in-1 media reader	Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available																																																
Media reader	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; Max resolution: 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz <i>Some:</i> NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; Max resolution: 3840x2160 (DisplayPort)@60Hz;	Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit																																																
Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; Max resolution: 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz <i>Some:</i> NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; Max resolution: 3840x2160 (DisplayPort)@60Hz;	Preloaded applications (only some listed)	<ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>																																																
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4	Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)																																																
Chipset	Intel Q270 Chipset	Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																																																
Front ports*	Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)	Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)																																																
Rear ports*	Four USB 3.1 Gen1, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional two PS/2 ports (keyboard/mouse); additional DisplayPort on optional graphics on some models	Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS																																																
Rear audio ports* IEEE 1394*	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm) None * Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																		
Audio support	High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )																																																		
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2																																																		
Bluetooth™ Ethernet Modem	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN® None																																																		

Note: The specifications above may not be available in all regions.

Lenovo, August 2017

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MK000AUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000BUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000CUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000DUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000EUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000FUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000GUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000HUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000KUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000LUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000MUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000NUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000PUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000QUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000RUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000SUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK000TUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MK0035US	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK0036US	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK0037US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2nd 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MK0038US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK0039US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003AUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003BUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003CUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003DUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003EUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003FUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003GUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003HUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003JUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003KUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003LUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003MUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003NUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK003PUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MK004WUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MK004XUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MK0052US	US	i7-7700	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MK0053US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2nd 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Floor Stand	210W 85%	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18



# ThinkCentre M910 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor						<b>Security features</b> <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul>
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	
	Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530	
	Core i7-6700T	4 / 8	2.8G / 3.6G	8 MB	DDR4-2133	HD 530	
	Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630	
	Core i5-7600T	4 / 4	2.8G / 3.7G	6 MB	DDR4-2400	HD 630	
Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630		
Memory	32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, APS <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box <i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box						
Optical	One onboard SATA 6.0Gb/s connector						
Onboard SATA Media reader	None						
Graphics	<b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1200 (VGA)@60Hz						
Monitor cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4						
Chipset	<b>Intel Q270 Chipset</b>						
Front ports*	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)						
Rear ports*	Four USB 3.1 Gen1 (optional external optical box or external I/O box occupies one or two specific USB 3.1 Gen1 on some models), ethernet (RJ-45), two DisplayPort, two optional ports (Port 1 for VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode), Port 2 for serial)						
I/O box*	Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy two specific USB 3.1 Gen1 of Tiny) * Depending on many factors, actual data transfer speed may be lower than theoretical speed						
Audio support	High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)						
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, Intel vPro technology support, 2x2						
Bluetooth™	<i>Some:</i> Bluetooth 4.2 wireless, integrated in Wi-Fi + BT combo adapter * Hardware supports BT 4.2, but Win10 RS3 and earlier only supports BT 4.1						
Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®						
Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)						
Security chip	TPM (Trusted Platform Module) 2.0*, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS						
Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black						
Mouse							
Mechanical	Tiny (1L), black color; metal case <ul style="list-style-type: none"> <li>Toolless chassis open</li> <li>Toolless HDD, SSD, memory removal</li> <li>Optional toolless chassis screw</li> <li>Optional dust filter</li> </ul>						
VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation						
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models) 90 watts AC/DC adapter, autosensing, 88% PSU (only for models with I/O box)						
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available						
Preload	<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit						
Environment	<b>ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)</b>						
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)						
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>						

See footnotes for more detailed information

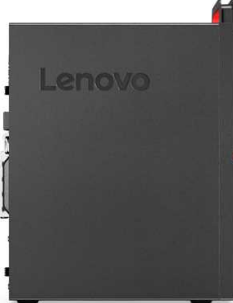


Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MV000JUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000KUS	US	i7-7700T	vPro	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe	DVD±RW	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000LUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000MUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000NUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000PUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	DVD±RW	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000QUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000RUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000SUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000TUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000UUS	US	i7-7700T	vPro	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000VUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000XUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV000YUS	US	i7-7700T	vPro	Intel HD 630	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV0010US	US	i7-7700T	vPro	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV0011US	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV0012US	US	i5-7500T	vPro	Intel HD 630	None	8GB	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV0013US	US	i7-7700T	vPro	Intel HD 630	None	8GB	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV0014US	US	i5-7500T	vPro	Intel HD 630	None	8GB	256GB SSD M.2 PCIe NVMe	DVD±RW	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	VESA Mount	None	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MV002MUS	US	i7-6700T	vPro	Intel HD 530	None	8GB	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MV002NUS	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	Serial	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002PUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002QUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002RUS	US	i7-7700T	vPro	Intel HD 630	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002SUS	US	i5-6500T	vPro	Intel HD 530	None	8GB	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002TUS	US	i7-6700T	vPro	Intel HD 530	None	16GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002UUS	US	i7-6700T	vPro	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002VUS	US	i7-7700T	vPro	Intel HD 630	None	8GBx2	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002WUS	US	i7-6700T	vPro	Intel HD 530	None	8GB	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002XUS	US	i5-7500T	vPro	Intel HD 630	None	8GBx2	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV002YUS	US	i5-6500T	vPro	Intel HD 530	None	8GBx2	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0030US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0031US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	VGA	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0032US	US	i5-6500T	vPro	Intel HD 530	None	8GB	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Mar 21, 2022	03/17
10MV0033US	US	i7-6700T	vPro	Intel HD 530	None	8GB	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0034US	US	i5-6500T	vPro	Intel HD 530	None	8GB	128GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0035US	US	i7-7700T	vPro	Intel HD 630	None	8GBx2	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0036US	US	i5-6500T	vPro	Intel HD 530	None	8GB	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0037US	US	i5-6500T	vPro	Intel HD 530	None	8GBx2	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV0038US	US	i5-6500T	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MV0039US	US	i7-6700T	vPro	Intel HD 530	None	8GB	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 21, 2023	03/17
10MV003KUS	US	i7-7700T	vPro	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MV003LUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MV003MUS	US	i5-7500T	vPro	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MV003NUS	US	i7-7700T	vPro	Intel HD 630	None	8GB	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Sep 5, 2022	09/17
10MV003TUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MV003UUS	US	i5-7500T	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MV003VUS	US	i7-7700T	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MV003WUS	US	i7-7700T	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	HDMI	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	65W 88% Adapter	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18



# ThinkCentre M910 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor						Ethernet Modem	Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN® None
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)
	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS
	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Power-on password</li> <li>Administrator password</li> <li>Padlock loop</li> <li>Hard disk password</li> <li>Smart USB protection, allows keyboard/ mouse only, blocks all storage devices</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis intrusion switch</li> </ul>
	Core i3-7300	2 / 4	4.0G / --	4 MB	DDR4-2400	HD 630		
	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630		
	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630		
	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630		
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630			
Memory	64GB max, UDIMM, DDR4-2400*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Keyboard	Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black
Storage	Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: Intel Optane™ Memory (models with 7th gen Core processor), M.2 Some: Front accessible and removable HDD, 3.5", lockable via physical key						Mouse	Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
Optical	Some: DVD-ROM, SATA 1.5Gb/s, 5.25" or slim (9.0mm) Some: DVD Burner (DVD±RW), SATA 1.5Gb/s, 5.25" or slim (9.0mm)						Mechanical	<ul style="list-style-type: none"> <li>Tower (18L), black color, metal case</li> <li>(WxDxH) 6.5" X 12.65" X 16.15"; 165mm X 321.35mm X 410.25mm</li> <li>Approx. 15.45 lb (7 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical, graphic card removal</li> <li>Optional carry handle, dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 5.25", 1.6" high, external, ODD / optional front access HDD</li> <li>Bay 3: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 4: 3.5", 1" high, internal, HDD/SSD (optional bay, bay comes with disk)</li> <li>Bay 5: 2.5", internal, HDD/SSD (optional bay)</li> <li>Notes: M910 Tower supports up to 3 SATA devices (ODD/HDD/SSD) and 1 eSATA device (front access HDD)</li> <li>Slot 1: full-length full-height (length &lt; 268mm, height &lt; 112mm), PCIe 3.0 x16*</li> <li>Slot 2: full-length full-height (length &lt; 268mm, height &lt; 112mm), PCIe 3.0 x1*</li> <li>Slot 3: full-length full-height (length &lt; 268mm, height &lt; 112mm), PCIe 3.0 x16 (x4 signal)*</li> <li>Slot 4: no slot, only bracket for optional port extension*</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> <li>* Optional 2 front USB3.1 Type-C ports module occupies PCIe x16 (x4 signal) slot, optional rear 2x USB2.0 / parallel / 2nd serial occupies one expansion slot</li> </ul>
Onboard SATA	Four onboard SATA 6.0Gb/s connectors (1x eSATA and 3x SATA), RAID 0/1 support (RAID preset only available via special bid model)						Power supply	Some: 180 watts, autosensing, 85% PSU Some: 250 watts, autosensing, 85% PSU Some: 400 watts, autosensing, 92% PSU (only available via special bid)
Media reader	Optional 7-in-1 media reader						Limited warranty	Some: <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available Some: <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available
Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; Max resolution: 4096x2304 (DP) @60Hz; 2048x1536 (VGA) @50Hz Some: NVIDIA GeForce® GT 730, DirectX 12, 2GB, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; Max resolution: 3840x2160 (DisplayPort) @60Hz; Some: AMD Radeon™ R7 350, DirectX 11, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 75 watts, occupies two slots; Max resolution: 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz Some: NVIDIA GeForce GTX™ 1080 (only available via special bid model), DirectX 12, 8GB, PCIe 3.0 x16 adapter, one DVI-D, one HDMI, three DisplayPort, 180 watts, occupies two slots; Max resolution: 2560x1600 (DVI-D) @60Hz; 4096x2160 (HDMI) @60Hz 7680x4320 (with Single DP) @60Hz						Preload	<b>Preloaded operating system</b> Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) Some: Windows 10 Pro 64-bit Some: Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> </ul>
Monitor Cable	Optional DP to VGA, DP to DVI-D (single link), DP to dual DP, or DP to HDMI 1.4						Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)
Chipset	Intel Q270 Chipset						Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>
Front ports*	Four USB 3.1 Gen1, optional two USB 3.1 Type-C Gen 2 (only available via special bid), microphone (3.5mm), headphone (3.5mm)							
Rear ports*	Four USB 3.1 Gen1, optional two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional two PS/2 ports (keyboard/mouse); additional VGA, DisplayPort, DVI-D, or HDMI on optional graphics on some models							
Rear audio ports* IEEE 1394*	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm) None * Depending on many factors, actual data transfer speed may be lower than theoretical speed							
Audio support	High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1.5 watt )							
WLAN	Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2							
Bluetooth™	Some: Bluetooth 4.1 wireless, integrated in Wi-Fi + BT combo adapter							

Note: The specifications above may not be available in all regions.

Lenovo, August 2017

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MM000AUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000BUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000CUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000DUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000EUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000FUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000GUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000HUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000JUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000KUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000LUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000MUS	US	i7-7700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000NUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000PUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM000QUS	US	i5-7500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Mar 21, 2023	02/17
10MM002JUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002KUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002LUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002MUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002NUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	Optional 2.5" Bay	Media Reader	WLAN + Bluetooth	Optional Front Ports	Optional Rear Ports	Chassis Intrusion Switch	Cable Lock	Front Access HDD	Speaker	Dust Filter	Keyboard / Mouse	Carry Handle	Power Supply	Operating System	Warranty	End of Support	Ann Date (mm/yy)
10MM002PUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002QUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	128GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002RUS	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002SUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002TUS	US	i5-6500	vPro	Intel HD 530	None	4GBx1	500GB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002UUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002VUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002WUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002XUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM002YUS	US	i5-6500	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM0030US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM0031US	US	i7-6700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM003AUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM003BUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	DVD±RW	Optional 2.5" Bay	None	8265 ac, 2x2, vPro + BT4.1	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 DG Win7 Pro 64	3-year, Onsite	Apr 28, 2023	03/17
10MM003NUS	US	i5-7500	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18
10MM003PUS	US	i7-7700	vPro	Intel HD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	DVD±RW	Optional 2.5" Bay	None	None	None	None	None	None	None	1.5Wx1	None	USB / USB	Carry Handle	250W 85%	Win10 Pro 64	3-year, Onsite	Apr 27, 2024	03/18





# ThinkCentre M910x Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor	Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®																																																																		
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i5-6500T</td> <td>4 / 4</td> <td>2.5G / 3.1G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700T</td> <td>4 / 8</td> <td>2.8G / 3.6G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-7500T</td> <td>4 / 4</td> <td>2.7G / 3.3G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600T</td> <td>4 / 4</td> <td>2.8G / 3.7G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700T</td> <td>4 / 8</td> <td>2.9G / 3.8G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2G / 3.6G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4G / 4.0G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7600</td> <td>4 / 4</td> <td>3.5G / 4.1G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530	Core i7-6700T	4 / 8	2.8G / 3.6G	8 MB	DDR4-2133	HD 530	Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630	Core i5-7600T	4 / 4	2.8G / 3.7G	6 MB	DDR4-2400	HD 630	Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630	Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630	Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)
Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																																																																
Core i5-6500T	4 / 4	2.5G / 3.1G	6 MB	DDR4-2133	HD 530																																																																
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		Security chip	TPM (Trusted Platform Module) 2.0*, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS																																																																		
		Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Smart USB protection, allows keyboard/ mouse only, blocks all storage devices</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch</li> </ul>																																																																		
		Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																																																																		
Memory	32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller	Mouse																																																																			
Storage	<i>Some:</i> Hard Drive* / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, APS <i>Some:</i> Solid State Drive (SSD)* / SATA 6.0Gb/s, 2.5" (* 2.5" HDD/SSD and RX 460 graphics are mutually exclusive) <i>Some:</i> M.2 SSD (support up to two M.2 SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s, RAID 0/1 support (RAID preset only available via special bid model)	Mechanical	Tiny (1L), black color; metal case <ul style="list-style-type: none"> <li>Toolless chassis open</li> <li>Toolless HDD, SSD, memory removal</li> <li>Optional toolless chassis screw</li> <li>Optional dust filter</li> </ul>																																																																		
Optical	<i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box <i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box		<table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Weight (Approx. )</th> </tr> </thead> <tbody> <tr> <td>M910 Tiny only</td> <td>7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm</td> <td>2.91 lb (1.32 kg), vary by config</td> </tr> <tr> <td>With VESA mount &amp; ODD box</td> <td>7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm</td> <td>3.66 lb (1.66 kg), vary by config</td> </tr> <tr> <td>With VESA mount &amp; I/O box</td> <td>7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm</td> <td>3.66 lb (1.66 kg), vary by config</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Weight (Approx. )	M910 Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config	With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config	With VESA mount & I/O box	7.42" X 7.30" X 2.62" 188.4mm X 185.38mm X 66.6mm	3.66 lb (1.66 kg), vary by config																																																						
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Onboard SATA Media reader	One onboard SATA 6.0Gb/s connector None	VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation																																																																		
Graphics	<b>Intel HD Graphics 510/530/610/630</b> in processor, uses main memory, DirectX® 12, two DisplayPort™, one optional video port (HDMI, VGA, 3rd DP, or USB 3.1 Type-C with DisplayPort Alternate Mode), up to 3 independent displays; <i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2304 (Type-C) @60Hz; 4096x2160 (HDMI) @24Hz; 1920x1200 (VGA) @60Hz <i>Some:</i> <b>AMD Radeon™ RX 460</b> , DirectX 12, 4GB, PCIe 3.0 x8 adapter (low profile), four mini DisplayPort, 35 watts (TDP), up to 4 independent displays, works along with 2 onboard DisplayPort to support up to 6 independent displays; <i>Max resolution:</i> 5120x2880 @60Hz (up to 2 mini DisplayPort); 4096x2160 @60Hz (up to 4 mini DisplayPort)	Power supply	135 watts AC/DC adapter, autosensing, 88% PSU																																																																		
Monitor cable	Optional DP to VGA, DP to DVI-D, DP to dual DP, mini DP to DP, or DP to HDMI 1.4	Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available																																																																		
Chipset	<b>Intel Q270 Chipset</b>	Preload	<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor) <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit																																																																		
Front ports*	Two USB 3.1 Gen1 (one is Always On and fast charge), one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)		<b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Only for Window 10</li> <li>Lenovo Companion</li> <li>Intel Unite download link (vPro models only)</li> <li>Only for Window 7</li> <li>Lenovo Solution Center</li> <li>Lenovo ThinkVantage Tools</li> <li>Create Recovery Media</li> <li>Adobe® Reader®</li> <li>Cyberlink PowerDVD Create (DVD±RW)</li> <li>Intel Unite (vPro models only)</li> </ul>																																																																		
Rear ports*	Four USB 3.1 Gen1 (optional optical box or I/O box occupies one or two specific USB 3.1 Gen1), ethernet (RJ-45), two DisplayPort, two optional ports (not available for the models with RX 460 graphics): Port 1 for [VGA / 3rd DP / HDMI / serial / USB 3.1 Type-C Gen 1 (with DisplayPort Alternate Mode)]; Port 2 for [serial]																																																																				
I/O box*	Optional external I/O box, extends two USB 2.0, two USB 3.1 Gen1, and one serial on rear, two USB 2.0 on front, via USB cable (occupy 2 specific USB 3.1 G1 of Tiny) * Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																																				
Audio support	High Definition (HD) Audio, Realtek ALC294 / optional internal speaker (1w or 2w)	Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, GREENGUARD®, RoHS-compliant, TUV low noise verified (on some models)																																																																		
WLAN <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, Intel vPro technology support, 2x2	MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)																																																																		
Bluetooth™	<i>Some:</i> Bluetooth 4.2 wireless, integrated in Wi-Fi + BT combo adapter * Hardware supports BT 4.2, but Win10 RS3 and earlier only supports BT 4.1	Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																																																																		

See footnotes for more detailed information

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Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10N00007US	US	i5-7600	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N00008US	US	i5-7500	vPro	Intel HD 630	None	4GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N00009US	US	i7-7700	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N0000AUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N0000BUS	US	i5-7500	vPro	Intel HD 630	None	8GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N00014US	US	i5-6500T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N00015US	US	i5-6500	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N00016US	US	i7-6700	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N00017US	US	i7-6700T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N00018US	US	i5-7500T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N00019US	US	i5-6500T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N0001AUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N0001BUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N0001CUS	US	i5-6500	vPro	Intel HD 530	None	8GBx1	500GB 7200rpm 2.5"	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N0001DUS	US	i5-7500T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N0001EUS	US	i7-6700	vPro	Intel HD 530	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N0001FUS	US	i7-7700T	vPro	AMD RX460 4GB	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N0001GUS	US	i7-7700T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	04/17
10N0001HUS	US	i7-6700T	vPro	AMD RX460 4GB	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	None	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 DG Win7 Pro 64	3-year, Onsite	04/17
10N0001JUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	07/17

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	External Optical / I/O Box	WLAN + Bluetooth	Optional Rear Ports	Chassis Intrusion Switch	Kensington Cable Lock	Speaker	Adapter Cage	Toolless Chassis Screw	Dust Filter	Keyboard / Mouse	VESA Mount	Stand	Power Supply	Operating System	Warranty	Ann Date (mm/yy)
10N0001KUS	US	i7-7700	vPro	Intel HD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe	None	8265 ac, 2x2, vPro + BT4.1	3rd DP	Switch	None	1Wx1	None	None	None	USB / USB	None	Floor Stand	135W 88% Adapter	Win10 Pro 64	3-year, Onsite	07/17



# ThinkCentre M920 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Ethernet (Opt.)	<i>Some:</i> Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4 <i>Some:</i> Bitland BN8E88, gigabit ethernet, 1x RJ-45, PCIe x1 (special bid only)
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610	Manageability	Intel Active Management Technology 12 (Intel AMT 12); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610	Security chip	Discrete TPM 2.0, TCG Certified
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610	Security features	<ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Power-on password</li> <li>Administrator password</li> <li>Padlock loop</li> <li>Hard disk password</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Boot sequence control</li> <li>Optional chassis intrusion switch</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis E-Lock (special bid)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630	Mouse	<i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid) <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630	Mechanical	<ul style="list-style-type: none"> <li>SFF (8.4L), black color, metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.23 lb (6 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical, extension card removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16 (x4 signal)</li> <li>Slot 4: no slot, only bracket for optional port extension</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> </ul>
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630	Floor Stand	Optional system floor stand for vertical orientation
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630	Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 260 watts, autosensing, 92% PSU (only available via special bid)
Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630	Limited warranty	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available	
Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630	Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> </ul>	
Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630	Chipset	<b>Intel Q370 Chipset</b>	
Memory	64GB max, UDIMM, DDR4-2666*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 <i>Some:</i> DVD-ROM, SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm) Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)						Front ports* (Opt.)	<i>Optional:</i> 1x media reader
Optical	<i>Some:</i> DVD-ROM, SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)						Rear ports* (Std.)	4x USB 3.1 Gen1, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)
Onboard SATA	Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)						Rear ports* (Opt.)	<i>Optional:</i> 2x USB 2.0, 2x USB 3.1 Gen1 via PCIe x1, 2x USB 3.1 Type-C Gen2 via PCIe x4 (special bid only), 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), 1x Thunderbolt 3 (combo USB3.1 Type-C Gen 2 / DisplayPort) via PCIe x4 (available on 09/30/2018), additional RJ-45 and video ports available on optional graphics or ethernet card * Depending on many factors, actual data transfer speed may be lower than theoretical speed
Media reader	Optional 7-in-1 media reader						Audio support	High Definition (HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)
Graphics	<b>Intel UHD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz <i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x16 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;						WLAN	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2
Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle						Bluetooth	<i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter
Environment	ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV low noise verified (coming soon, on some models), RoHS-compliant						Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Front Access HDD	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10SJ000GUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000HUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000JUS	US	i5-8500	vPro	Intel UHD 630	None	4GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000KUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000LUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000MUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000NUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000PUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000QUS	US	i7-8700	vPro	GT 730 2GB	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000RUS	US	i5-8500	vPro	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000SUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000TUS	US	i7-8700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000UUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000VUS	US	i5-8500	vPro	Intel UHD 630	None	4GBx1	500GB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000WUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ000XUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ000YUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ0010US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SJ0011US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SJ002XUS	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18

Model	Region	Processor	vPro	ProGraphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Front Access HDD	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10SJ002YUS	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Stand	USB / USB	210W 85%	None	Win10 Pro 64	3-year, Onsite	07/18



# ThinkCentre M920 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability Intel Active Management Technology 12 (Intel AMT 12); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Discrete TPM 2.0, TCG Certified
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	
	Celeron G4900T	2 / 2	2.9G	2 MB	DDR4-2400	UHD 610	
	Pentium Gold G5400T	2 / 4	3.1G	4 MB	DDR4-2400	UHD 610	
	Pentium Gold G5500T	2 / 4	3.2G	4 MB	DDR4-2400	UHD 630	
	Core i3-8100T	4 / 4	3.1G	6 MB	DDR4-2400	UHD 630	
	Core i3-8300T	4 / 4	3.2G	8 MB	DDR4-2400	UHD 630	
	Core i5-8400T	6 / 6	1.7G / 3.3G	9 MB	DDR4-2666	UHD 630	
	Core i5-8500T	6 / 6	2.1G / 3.5G	9 MB	DDR4-2666	UHD 630	
	Core i5-8600T	6 / 6	2.3G / 3.7G	9 MB	DDR4-2666	UHD 630	
Core i7-8700T	6 / 12	2.4G / 4.0G	12 MB	DDR4-2666	UHD 630		
Memory	32GB max, DDR4-2666*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Security chip Security features <ul style="list-style-type: none"> <li>Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>Chassis intrusion switch</li> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> </ul> <ul style="list-style-type: none"> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2 <i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box <i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box						
Optical	One onboard SATA 6.0Gb/s connector						
Onboard SATA	Intel HD Graphics 610/630 in processor, uses main memory, DirectX® 12, one DisplayPort™, one HDMI, one optional video port (2nd HDMI, VGA, 2nd DP, or USB 3.1 Type-C Gen1 with DisplayPort function), up to 3 independent displays; Max resolution: 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; 4096x2160 (onboard HDMI)@24Hz; 2048x1536 (VGA)@50Hz						
Graphics	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle						
Monitor cable	VESA mount Floor Stand						
Chipset	Power supply <i>Some:</i> 65 watts AC/DC adapter, autosensing, 88% PSU <i>Some:</i> 90 watts AC/DC adapter, autosensing, 88% PSU <i>Some:</i> 135 watts AC/DC adapter, autosensing, 88% PSU						
Front ports (Std.)	Limited warranty <i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available						
Rear ports (Std.)	Preload <b>Preloaded operating system</b> <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"> <li>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink Power2GO (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> <li>Intel Unite (Machine Type 10V8 models only)</li> </ul>						
Rear ports (Opt.)	Environment ENERGY STAR® 7.0, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV ultra low noise verified (coming soon, on some models), RoHS-compliant						
Audio support	MIL-SPEC test MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)						
WLAN	Accessories For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>						
Bluetooth	* Depending on many factors, actual data transfer speed may be lower than theoretical speed						
Ethernet	Audio support Realtek ALC233VB2 / optional internal speaker (1.5 watt or 2 watt)						
Ethernet (Opt.)	WLAN <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2						

Note: The specifications above may not be available in all regions.

Lenovo, July 2018



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10RS000MUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000PUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000QUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000RUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000TUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000UUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000VUS	US	i7-8700T	vPro	Intel UHD 630	None	16GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000XUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS000YUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0010US	US	i7-8700T	vPro	Intel UHD 630	None	16GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0012US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0013US	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0014US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0015US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0017US	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0018US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001BUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001CUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001GUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001HUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10RS001JUS	US	Core i5-8500T	vPro	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001KUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001LUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001MUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001NUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001PUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001QUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001RUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001SUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001TUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001UUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001VUS	US	Core i5-8500T	vPro	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001WUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS001XUS	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	90W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS001YUS	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	4 Serial	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0020US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0021US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS0022US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS0023US	US	i7-8700T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS0024US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	1350-T4 + Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	War-ranty	Ann Date (m/y)
10RS0025US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10RS0026US	US	Core i5-8500T	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	65W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10RS0036US	US	i7-8700T	vPro	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	01/19



# ThinkCentre M920 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor	<p><i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2 Ethernet</p> <p><i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®</p> <p><i>Some:</i> Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4</p> <p><i>Some:</i> Bitland BN8E88, gigabit ethernet, 1x RJ-45, PCIe x1 (special bid only)</p>																																																																								
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Celeron G4900</td> <td>2 / 2</td> <td>3.1G</td> <td>2 MB</td> <td>DDR4-2400</td> <td>UHD 610</td> </tr> <tr> <td>Celeron G4920</td> <td>2 / 2</td> <td>3.2G</td> <td>2 MB</td> <td>DDR4-2400</td> <td>UHD 610</td> </tr> <tr> <td>Pentium Gold G5400</td> <td>2 / 4</td> <td>3.7G</td> <td>4 MB</td> <td>DDR4-2400</td> <td>UHD 610</td> </tr> <tr> <td>Pentium Gold G5500</td> <td>2 / 4</td> <td>3.8G</td> <td>4 MB</td> <td>DDR4-2400</td> <td>UHD 630</td> </tr> <tr> <td>Pentium Gold G5600</td> <td>2 / 4</td> <td>3.9G</td> <td>4 MB</td> <td>DDR4-2400</td> <td>UHD 630</td> </tr> <tr> <td>Core i3-8100</td> <td>4 / 4</td> <td>3.6G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>UHD 630</td> </tr> <tr> <td>Core i3-8300</td> <td>4 / 4</td> <td>3.7G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-8400</td> <td>6 / 6</td> <td>2.8G / 4.0G</td> <td>9 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-8500</td> <td>6 / 6</td> <td>3.0G / 4.1G</td> <td>9 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-8600</td> <td>6 / 6</td> <td>3.1G / 4.3G</td> <td>9 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i7-8700</td> <td>6 / 12</td> <td>3.2G / 4.6G</td> <td>12 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630	Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630	Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630	<p><b>Bluetooth™ Ethernet Ethernet (Opt.)</b></p> <p><b>Manageability</b> Intel Active Management Technology 12 (Intel AMT 12); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)</p> <p><b>Security chip</b> Discrete TPM 2.0, TCG Certified</p> <p><b>Security features</b></p> <ul style="list-style-type: none"> <li>• Security slot (in rear for optional Kensington® MicroSaver® cable)</li> <li>• Padlock loop</li> <li>• Optional cable lock to physically lock both keyboard and mouse</li> <li>• Optional chassis intrusion switch</li> <li>• Optional chassis E-Lock (special bid)</li> <li>• Power-on password</li> <li>• Administrator password</li> <li>• Hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Individual USB port disablement</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>
Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																																																																					
Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610																																																																					
Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610																																																																					
Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610																																																																					
Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630																																																																					
Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630																																																																					
Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630																																																																					
Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630																																																																					
Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630																																																																					
Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630																																																																					
Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630																																																																					
Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630																																																																					
Memory	64GB max, UDIMM, DDR4-2666*, four 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller																																																																									
Storage	<p><i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm</p> <p><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"</p> <p><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s</p> <p>* SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s</p> <p><i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2</p> <p>Optional DVD-ROM or DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)</p>	<p><b>Keyboard</b> <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black</p> <p><b>Mouse</b> <i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid) <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)</p>																																																																								
Optical	Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)																																																																									
Onboard SATA	Optional 7-in-1 media reader																																																																									
Media reader																																																																										
Graphics	<p><b>Intel UHD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz <i>Some:</i> <b>NVIDIA GeForce® GT 730</b>, DirectX 12, 2GB, PCIe 2.0 x16 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;</p> <p><i>Some:</i> <b>NVIDIA GeForce GTX 1060</b> (special bid only), DirectX 12, 6GB, PCIe 3.0 x16 adapter, 1x DVI-D, 1x HDMI, 3x DP, 120 watts, occupies two slots; <i>Max resolution:</i> 2560x1600 (DVI-D)@60Hz; 4096x2160 (HDMI)@60Hz 5120x3200 (DP)@60Hz</p>	<p><b>Mechanical</b></p> <ul style="list-style-type: none"> <li>• Tower (18L), black color, metal case</li> <li>• (WxDxH) 6.5" X 12.65" X 16.15"; 165mm X 321.35mm X 410.25mm</li> <li>• Approx. 15.45 lb (7 kg), weight may vary by configuration</li> <li>• Toolless cover, disk, optical, extension card removal</li> <li>• Optional carry handle, dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 5.25", 1.6" high, external, ODD / optional front access HDD</li> <li>Bay 3: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 4: 3.5", 1" high, internal, HDD/SSD (optional bay, bay comes with disk)</li> <li>Bay 5: 2.5", internal, HDD/SSD (optional bay)</li> <li><i>Notes:</i> M920 Tower supports up to 3 SATA devices (ODD/HDD/SSD) and 1 eSATA device (front access HDD)</li> <li>Slot 1: full-length (&lt; 268mm) full-height (&lt; 112mm), PCIe 3.0 x16</li> <li>Slot 2: full-length (&lt; 268mm) full-height (&lt; 112mm), PCIe 3.0 x1</li> <li>Slot 3: full-length (&lt; 268mm) full-height (&lt; 112mm), PCIe 3.0 x16 (x4 signal)</li> <li>Slot 4: no slot, only bracket for optional port extension</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> </ul>																																																																								
Monitor Cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle																																																																									
Chipset	<b>Intel Q370 Chipset</b>																																																																									
Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)	<p><b>Power supply</b></p> <p><i>Some:</i> 180 watts, autosensing, 85% PSU</p> <p><i>Some:</i> 250 watts, autosensing, 85% PSU</p> <p><i>Some:</i> 400 watts, autosensing, 92% PSU (only available via special bid)</p>																																																																								
Front ports* (Opt.)	Optional: 1x media reader																																																																									
Rear ports* (Std.)	4x USB 3.1 Gen1, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)	<p><b>Limited warranty</b></p> <p><i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available</p> <p><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available</p>																																																																								
Rear ports* (Opt.)	Optional: 2x USB 2.0, 2x USB 3.1 Gen1 via PCIe x1, 2x USB 3.1 Type-C Gen2 via PCIe x4 (special bid only), 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), 1x Thunderbolt 3 (combo USB3.1 Type-C Gen 2 / DisplayPort) via PCIe x4 (available on 09/30/2018), additional RJ-45 and video ports available on optional graphics or ethernet card * Depending on many factors, actual data transfer speed may be lower than theoretical speed	<p><b>Preload</b></p> <p><b>Preloaded operating system</b></p> <p><i>Some:</i> Windows® 10 Pro 64-bit</p> <p><i>Some:</i> Windows 10 Home 64-bit</p> <p><b>Preloaded applications (only some listed)</b></p> <ul style="list-style-type: none"> <li>• Lenovo Vantage</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>• Cyberlink Power2GO (only for models with DVD±RW)</li> <li>• LinkedIn</li> </ul>																																																																								
Audio support	High Definition (HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)																																																																									
WLAN	<p><i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2</p>	<p><b>Environment</b> ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV low noise verified (coming soon, on some models), RoHS-compliant</p> <p><b>Accessories</b> For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a></p>																																																																								

Note: The specifications above may not be available in all regions.

Lenovo, July 2018

ThinkCentre M920 Tower - TopSeller - 10SF

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optional Bay	Front Access HDD	Optical	Media Reader	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Chassis Intrusion Switch	Chassis E-Lock	Cable Lock	Speaker	Dust Filter	Carry Handle	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	Operating System	Warranty	Ann Date (mm/yy)
10SF0002US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SF0003US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SF0004US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF0005US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SF0006US	US	i7-8700	vPro	GT 730 2GB	None	8GBx1	1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF0007US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF0008US	US	i5-8500	vPro	Intel UHD 630	None	4GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF0009US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SF000AUS	US	i7-8700	vPro	GT 730 2GB	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF000BUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SF000CUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	06/18
10SF000DUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF000EUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF000FUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 3.5"	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF000GUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF000HUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	Optional 3.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18
10SF002CUS	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	Optional 2.5" bay	None	DVD±RW	None	None	Integrated	None	None	None	None	2Wx1	None	Carry Handle	None	USB / USB	250W 85%	None	Win10 Pro 64	3-year, Onsite	07/18





# ThinkCentre M920x Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor	<p><i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2</p> <p><i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter</p> <p>Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®</p> <p><i>Some:</i> Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4</p>																																																																																																																														
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr><td>Celeron G4900</td><td>2 / 2</td><td>3.1G</td><td>2 MB</td><td>DDR4-2400</td><td>UHD 610</td></tr> <tr><td>Celeron G4920</td><td>2 / 2</td><td>3.2G</td><td>2 MB</td><td>DDR4-2400</td><td>UHD 610</td></tr> <tr><td>Pentium Gold G5400</td><td>2 / 4</td><td>3.7G</td><td>4 MB</td><td>DDR4-2400</td><td>UHD 610</td></tr> <tr><td>Pentium Gold G5500</td><td>2 / 4</td><td>3.8G</td><td>4 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Pentium Gold G5600</td><td>2 / 4</td><td>3.9G</td><td>4 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Core i3-8100</td><td>4 / 4</td><td>3.6G</td><td>6 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Core i3-8300</td><td>4 / 4</td><td>3.7G</td><td>8 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Core i5-8400</td><td>6 / 6</td><td>2.8G / 4.0G</td><td>9 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Core i5-8500</td><td>6 / 6</td><td>3.0G / 4.1G</td><td>9 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Core i5-8600</td><td>6 / 6</td><td>3.1G / 4.3G</td><td>9 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Core i7-8700</td><td>6 / 12</td><td>3.2G / 4.6G</td><td>12 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Celeron G4900T</td><td>2 / 2</td><td>2.9G</td><td>2 MB</td><td>DDR4-2400</td><td>UHD 610</td></tr> <tr><td>Pentium Gold G5400T</td><td>2 / 4</td><td>3.1G</td><td>4 MB</td><td>DDR4-2400</td><td>UHD 610</td></tr> <tr><td>Pentium Gold G5500T</td><td>2 / 4</td><td>3.2G</td><td>4 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Core i3-8100T</td><td>4 / 4</td><td>3.1G</td><td>6 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Core i3-8300T</td><td>4 / 4</td><td>3.2G</td><td>8 MB</td><td>DDR4-2400</td><td>UHD 630</td></tr> <tr><td>Core i5-8400T</td><td>6 / 6</td><td>1.7G / 3.3G</td><td>9 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Core i5-8500T</td><td>6 / 6</td><td>2.1G / 3.5G</td><td>9 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Core i5-8600T</td><td>6 / 6</td><td>2.3G / 3.7G</td><td>9 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> <tr><td>Core i7-8700T</td><td>6 / 12</td><td>2.4G / 4.0G</td><td>12 MB</td><td>DDR4-2666</td><td>UHD 630</td></tr> </tbody> </table>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630	Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630	Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630	Celeron G4900T	2 / 2	2.9G	2 MB	DDR4-2400	UHD 610	Pentium Gold G5400T	2 / 4	3.1G	4 MB	DDR4-2400	UHD 610	Pentium Gold G5500T	2 / 4	3.2G	4 MB	DDR4-2400	UHD 630	Core i3-8100T	4 / 4	3.1G	6 MB	DDR4-2400	UHD 630	Core i3-8300T	4 / 4	3.2G	8 MB	DDR4-2400	UHD 630	Core i5-8400T	6 / 6	1.7G / 3.3G	9 MB	DDR4-2666	UHD 630	Core i5-8500T	6 / 6	2.1G / 3.5G	9 MB	DDR4-2666	UHD 630	Core i5-8600T	6 / 6	2.3G / 3.7G	9 MB	DDR4-2666	UHD 630	Core i7-8700T	6 / 12	2.4G / 4.0G	12 MB	DDR4-2666	UHD 630	<p>Bluetooth</p> <p>Ethernet</p> <p>Ethernet (Opt.)</p> <p>Manageability</p> <p>Security chip</p> <p>Security features</p> <p>Keyboard</p> <p>Mouse</p>
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Memory	32GB max, DDR4-2666*, two 260-pin SO-DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller																																																																																																																															
Storage	<p><i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm</p> <p><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"</p> <p><i>Some:</i> M.2 SSD (support up to two M.2 SSD) / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s, RAID 0/1 support (RAID preset only available via special bid model)</p> <p>* 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s</p> <p><i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2</p> <p><i>Some:</i> DVD-ROM, slim (9.0mm), via USB external ODD box</p> <p><i>Some:</i> DVD Burner (DVD±RW), slim (9.0mm), via USB external ODD box</p>																																																																																																																															
Optical																																																																																																																																
Onboard SATA	One onboard SATA 6.0Gb/s connector																																																																																																																															
Graphics	<p><b>Intel HD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, one DisplayPort™, one HDMI, one optional video port (2nd HDMI, VGA, 2nd DP, or USB 3.1 Type-C Gen1 with DisplayPort function), up to 3 independent displays; <i>Max resolution:</i> 4096x2304 (DP) @60Hz; 4096x2304 (Type-C) @60Hz; 4096x2160 (onboard HDMI) @24Hz; 2048x1536 (VGA) @50Hz</p> <p><i>Some:</i> <b>AMD Radeon™ RX 560</b>, DirectX 12, 4GB GDDR5, PCIe 3.0 x8 adapter, 4x Mini DisplayPort, up to 4 independent displays, works along with onboard DP and HDMI to support up to 6 independent displays; <i>Max resolution:</i> 5120x2880 @60Hz ((up to 2 Mini DisplayPort); 4096x2160 @60Hz ((up to 4 Mini DisplayPort)</p>	<p>Mechanical</p> <p>Tiny (1L), black color; metal case</p> <ul style="list-style-type: none"> <li>• Toolless chassis open (need optional toolless chassis screw)</li> <li>• Toolless HDD, SSD, memory removal</li> <li>• Optional dust filter</li> </ul> <p>one 2.5" bay for HDD/SSD, one PCIe 3.0 x8 slot (low-profile), three M.2 slots (one for WLAN, two for M.2 SSD), 2.5" HDD/SSD and PCIe card are mutually exclusive</p> <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Weight (Approx. )</th> </tr> </thead> <tbody> <tr> <td>Tiny only</td> <td>7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm</td> <td>2.91 lb (1.32 kg), vary by config</td> </tr> <tr> <td>With VESA mount &amp; ODD box</td> <td>7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm</td> <td>3.66 lb (1.66 kg), vary by config</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Weight (Approx. )	Tiny only	7.05" X 7.20" X 1.36" 179mm X 182.9mm X 34.5mm	2.91 lb (1.32 kg), vary by config	With VESA mount & ODD box	7.42" X 7.30" X 2.48" 188.4mm X 185.38mm X 63mm	3.66 lb (1.66 kg), vary by config																																																																																																																					
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Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle, Mini DP to DP																																																																																																																															
Chipset	<b>Intel Q370 Chipset</b>																																																																																																																															
Front ports (Std.)	* one USB 3.1 Gen1 (Always On and fast charge), one USB 3.1 Type-C Gen 1, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm)																																																																																																																															
Rear ports (Std.)	* 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x ethernet (RJ-45), 1x DisplayPort, 1x HDMI																																																																																																																															
Rear ports (Opt.)	* Two optional ports (mutually exclusive with PCIe card): Port 1 for VGA / 2nd DP / 2nd HDMI / serial / USB 3.1 Type-C Gen 1 with DP function); Port 2 for serial; Optional ports via PCIe card: 2x USB 3.1 Gen1 via PCIe x1, 4x serial (9-pin) via PCIe x1, 1x Thunderbolt 3 (combo USB3.1 Type-C Gen 2 / DisplayPort) via PCIe x4 * Depending on many factors, actual data transfer speed may be lower than theoretical speed																																																																																																																															
Audio support	Realtek ALC233VB2 / optional internal speaker (1.5 watt or 2 watt)																																																																																																																															
WLAN	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1																																																																																																																															
VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation																																																																																																																															
Power supply	135 watts AC/DC adapter, autosensing, 88% PSU																																																																																																																															
Limited warranty	<i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available																																																																																																																															
Preload	<p><b>Preloaded operating system</b></p> <p><i>Some:</i> Windows® 10 Pro 64-bit</p> <p><i>Some:</i> Windows 10 Home 64-bit</p> <p><b>Preloaded applications (only some listed)</b></p> <ul style="list-style-type: none"> <li>• Lenovo Vantage</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>• Cyberlink Power2GO (only for models with DVD±RW)</li> <li>• LinkedIn</li> </ul>																																																																																																																															
Environment	ENERGY STAR® 7.0, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV ultra low noise verified (coming soon, on some models), RoHS-compliant																																																																																																																															
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)																																																																																																																															
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																																																																																																																															

Note: The specifications above may not be available in all regions.

Lenovo, July 2018



Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10S10000US	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10001US	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10002US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10003US	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10004US	US	i7-8700T	vPro	AMD RX 560 4GB	4xMiniDP to DP	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10005US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10006US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10007US	US	Core i5-8500T	vPro	AMD RX 560 4GB	4xMiniDP to DP	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10008US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10009US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000AUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000BUS	US	i7-8700T	vPro	AMD RX 560 4GB	4xMiniDP to DP	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000CUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000DUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000EUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000FUS	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000GUS	US	i7-8700T	vPro	AMD RX 560 4GB	4xMiniDP to DP	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000HUS	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10S1000JUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000KUS	US	Core i5-8500T	vPro	AMD RX 560 4GB	4xMiniDP to DP	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000LUS	US	Core i5-8500T	vPro	AMD RX 560 4GB	4xMiniDP to DP	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	None	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000MUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000SUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1000TUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1000UUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000VUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1000WUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1000XUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	16GB Optane Memory + 1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1000YUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd HDMI	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S10010US	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	1TB 7200rpm 2.5"	None	9560 ac, 2x2 + BT5.0	Integrated	2nd DP	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18
10S1001MUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1001NUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1001PUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1001QUS	US	i7-8700	vPro	Intel UHD 630	None	16GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1001RUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	512GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1001SUS	US	i7-8700	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Storage(HDD/SSD)	Optical	WLAN + Bluetooth	Ethernet	Optional Rear Ports	Extension Card	Kensington Cable Lock	Adapter Cage	Toolless Chassis Screw	Speaker	Dust Filter	VESA Mount	Stand	Keyboard / Mouse	Power Supply	TUV Low Noise	OS	Warranty	Ann Date (m/y)
10S1001TUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	1TB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	USB Type-C	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	08/18
10S1001UUS	US	i5-8500	vPro	Intel UHD 630	None	8GBx1	256GB SSD M.2 PCIe NVMe Opal	None	9560 ac, 2x2 + BT5.0	Integrated	VGA + Serial	None	None	None	None	1.5Wx1	None	None	Stand	USB / USB	135W 88% Adapter	None	Win10 Pro	3-year, 64 Onsite	07/18



# ThinkSmart Hub 500 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Purpose-built Skype Room Systems device						Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified
Processor	7th Gen Intel Core™ i5 Processor with vPro						Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li> <li>• Secure cable management door</li> <li>• Power-on, admin, hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• USB port disablement</li> </ul>
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics		
	Core i5-7500T	4 / 4	2.7G / 3.3G	6 MB	DDR4-2400	HD 630		
Memory	4GBx2, DDR4-2400, two 260-pin SO-DIMM sockets, dual-channel capable						Keyboard	None
Storage	128GB M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s						Mouse	None
Graphics Display	<b>Intel HD Graphics 630</b> in processor, uses main memory, DirectX® 12 <b>11.6"</b> (294.64mm) <b>Full HD 1080p (1920x1080) TFT color</b> , wide viewing angle (+/- 85°), LED backlight, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, anti-glare, smudge resistant						Mechanical	<ul style="list-style-type: none"> <li>• Business black color</li> <li>• (WxDxH) 7.60" X 10.98" X 7.02"; 193.25mm X 278.9mm X 178.45mm</li> <li>• Approx. 5.51 lb (2.5 kg)</li> <li>• Secure Cable Management Door, secures physical ports and prevents cables being accidentally disconnected</li> <li>• 360 degree rotatable Display</li> </ul>
Multi-touch Sensor	Supports 10-point touch, OGS IR Presence/Motion sensor, automatically dim / brighten display (Detection angle: +/- 45% (from display); detection distance: 3 meters at minimum)						Power supply	90 watts adapter, autosensing, 88% efficiency
LED indicators	360 degree LED ring on hinge neck, indicates Skype status for all users in the room; power LED on power button						Limited warranty <sup>3</sup>	<b>3-year, limited onsite service</b> / service upgrades available
Chipset	<b>Intel Q270 Chipset</b>						Preload	<b>Preloaded operating system</b> Windows® 10 IoT Enterprise CBB X64 (RS3) <b>Preloaded applications</b> Microsoft Skype Room Systems App
Ports*	Four USB 3.1 Gen1(Type A), two HDMI-out, one HDMI-in (1920x1080@60Hz at maximum), one ethernet (RJ-45), one headphone / microphone combo jack (3.5mm), one power connector <small>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</small>						Certification	Skype for Business Group Certified
M.2 card slot	Two M.2 Card slots (one for WLAN, one for SSD)						Environment	ErP Lot 26, GREENGUARD® certified, RoHS, WEEE
Audio support	Dual 4W speakers, 2 omnidirectional microphones for 360 degree audio capture						Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>
WLAN <sup>13</sup>	11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265,Wi-Fi + Bluetooth 4.1* combo adapter, Intel vPro technology support, 2x2							
Bluetooth™	Bluetooth 4.1* wireless, integrated in Wi-Fi + Bluetooth combo adapter * Hardware supports Bluetooth 4.2, but Win10 RS3 only supports Bluetooth 4.1							
Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®							
Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0), Intel vPro technology							

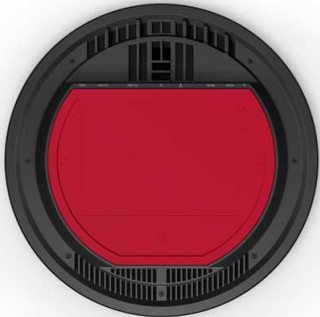
See footnotes for more detailed information

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# ThinkSmart Hub 500 - TopSeller - 10V5

Product Specifications Reference (PSREF)

Model	Region	Processor	vPro	Graphics	Monitor Cable	Memory	Display	Multi-touch	Power Supply	Storage(HDD/SSD)	WLAN + Bluetooth	Keyboard / Mouse	Operating System	Warranty	End of Support	Ann Date (m/y)
10V50000US	US	i5-7500T	vPro	Intel HD 630	None	4GBx2	11.6" FHD (1920x1080) WVA Anti-glare, smudge resistant	10-point Multi-touch	90W 88% Adapter	128GB SSD M.2 PCIe NVMe	8265 ac, 2x2, vPro + BT4.1	None / None	Windows 10 IoT Enterprise	3-year, Onsite	May 28, 2024	02/18



# ThinkSmart Hub 700 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Lenovo Led UX, integrated HW/SW solutions						Security features	<ul style="list-style-type: none"> <li>• TPM (Trusted Platform Module) 2.0, TCG Certified</li> <li>• Security slot (support optional Kensington® MicroSaver® cable)</li> <li>• BIOS locking</li> <li>• I/O locking</li> <li>• USB port blocking</li> </ul>
Processor	8th Gen Intel Core™ i5 Processor with vPro							
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Keyboard None Mouse None	
	Core i5-8350U	4 / 8	1.7G / 3.6G	6 MB	DDR4-2400	UHD 620		
Memory	4GBx2, DDR4-2400, two 260-pin SO-DIMM sockets, dual-channel capable						Mechanical	<ul style="list-style-type: none"> <li>• Business black</li> <li>• 300mm (L) x 300mm (W) x 88.7mm (H); 11.81" (L) x 11.81" (W) x 3.49" (H)</li> <li>• Maximum 3 kg / 6.61 lbs</li> </ul>
Storage	128GB M.2 (2242) Solid State Drive (SSD) / PCIe NVMe							
Graphics	<b>Intel HD Graphics 620</b> in processor, uses main memory, DirectX® 12						Power supply	65 watts adapter (USB Type-C), 100 V to 240 V, 50 Hz to 60 Hz
Display	None							
Video capture	Two video capture cards						Limited warranty <sup>3</sup>	<b>3-year, Courier / Carry in service with Premier Support</b> / service upgrades available
HID	Buttons for Menu / Enter, Mute, and Back; touch control for Volume / Navigation; LED ring indicates status (mute/unmute/volume)							
IR sensor	Six IR sensors for automatic human presence detection						Preload	<b>Preloaded operating system</b> Windows® 10 IoT Enterprise CBB X64
NFC	NFC (hardware enabled)							
Chipset	<b>Intel SoC (System on Chip) platform</b>						In the box	One ThinkSmart hub 700, one power adapter with power cord, one HDMI cable, one USB cable (Type-A to Type-C, for PassThru mode)
Ports	There USB 3.1 Gen1 (Type A), one dedicated USB Type-C (only for PassThru Mode), two HDMI-out, two HDMI-in (with video capture feature), one ethernet (RJ-45), one Power Port (USB Type-C) with Thunderbolt 3 support							
M.2 card slot	Two M.2 Card slots (one for WLAN, one for SSD)						Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>
Audio support	Dolby Audio speaker system, 4 premium speakers; 4 array microphone with far field support; two ultrasonic speakers for automatic discovery and pairing							
WLAN	11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265,Wi-Fi + Bluetooth 4.2 combo adapter, Intel vPro technology support, 2x2							
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville)							
Manageability	Intel Active Management Technology (Intel AMT), Intel vPro technology							

See footnotes for more detailed information

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(Hub700-Spec) Mar 2019



# ThinkSmart Hub 700 - TopSeller - 20N0

Product Specifications Reference (PSREF)

Model	Region	Country	Processor	vPro	Graphics	Video Capture Card	In Box Cable	Memory	Display	Power Supply	Storage(HDD/SSD)	WLAN + Bluetooth	Keyboard / Mouse	Operating System	Warranty	End of Support	Ann Date (m/y)
20N00000US	US	US	i5-8350U	vPro	Intel UHD 620	2x Video Capture Card	HDMI, USB	4GBx2	None	65 Adapter (Type-C)	128GB SSD M.2 PCIe NVMe	Intel 8265 ac, 2x2, vPro + BT4.2	None / None	Windows 10 IoT Enterprise	3-year, Courier	Apr 12, 2025	03/18



# ThinkCentre Tiny-in-One (TIO) 22

Product Specifications Reference (PSREF)

Model	10LKPAR6++ / 10LKPAT6++		
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 22, clean cabling and effortless setup		
Compatible Tiny:	M900 Tiny, M700 Tiny, M600 Tiny, M93/p Tiny*, M83 Tiny, M73 Tiny*, or M53 Tiny, Chromebox * Non-TIO models can't be turned on by pressing power button of TIO 22		
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight		
Viewable image size	21.5" (546.1mm) diagonal		
Max view area (W x H)	18.74" x 10.54" / 476.06mm x 267.79mm		
Bezel Width	Top / Side: 2mm, Bottom: 16.3mm		
Optimum resolution	<b>1920x1080</b>		
Aspect ratio	16:9		
Pixel pitch (mm)	0.24795mm		
Dot/Pixel per Inch	102.4 dpi		
Brightness	250 nits or cd/m <sup>2</sup> (typical)		
Contrast ratio	1000:1 (typical)		
Pixel response time	7ms		
Color gamut	72%		
Anti-reflective	Anti-glare		
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical		
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz		
Presets / user settings	Presets: 25; user settings: 25		
On screen display	On screen display with digital user controls (8 languages)		
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video / audio / USB input sources) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button		
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)		
Front ports	Two USB 3.0 or two USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port), one headphone / microphone combo jack (3.5mm) * The USB ports are only available when a Tiny is installed or a PC is connected via USB upstream port		
Side ports	Side ports offered by installed Tiny (optional)		
Rear ports	One DisplayPort 1.2 port, one USB upstream port, one power connector		
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB 3.0 [supports USB 3.0/USB 2.0], DisplayPort 1.2), only for connecting to Tiny installed (optional)		
Internal Speaker	1.5 watt x1		
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO 22 together, more security features offered by Tiny installed (optional)		
Mechanical	Dimensions	TIO 22 without stand	TIO 22 with stand
	W x D x H (inch)	19.25 x 2.65 x 12.47	19.25 x 9.90 x 14.02 - 18.35
	W x D x H (mm)	489.06 x 67.2 x 316.78	489.06 x 251.4 x 356.07 - 466.07
	Weight (approximately)	11.27 lb /5.11 kg (with stand)	
Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)		
Adjustable stand	Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°		
Power supply	90 watts AC/DC adapter, 88% PSU, universal		
Power consumption	15.57 watts typical, 35 watts maximum, <0.5 watts standby / suspend		
Limited warranty <sup>3</sup>	<b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service		
VESA-compliant <sup>2</sup>	VESA DDC2B/CI, VESA DPMS-compliant		
Ergonomics	ISO 9241-307		
Emission standards	FCC Class B		
Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0 EPEAT™ Gold rating, ULE Gold, TUV, VOC		
Windows certifications	Windows 7, Windows 8/8.1, and Windows 10 certified		
Ship group	TIO 22 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster		
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>		
<b>ThinkCentre Tiny-in-One 22 Compatible list</b>			
Model	M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

See footnotes for more detailed information

Model	Region	Color	Display Size	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10LKPAR6US	US	Black	21.5"	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	15.57W / 35W	90W 88% Adapter	3-year	04/16
10LKPAT6US	US	Black	21.5"	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	15.57W / 35W	90W 88% Adapter	3-year	04/16



# ThinkCentre Tiny-in-One (TIO) 22 Gen3

Product Specifications Reference (PSREF)

Model	<i>Non-touch model:</i> 10R1PAR1++/10R1PAT1++; <i>Touch model:</i> 10R0PAR1++/10R0PAT1++			Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPI® (100mm mount)																
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup			Adjustable stand	<i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; <i>Pivot:</i> clockwise 0° to 90°																
Compatible Tiny:	M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny * Non-TIO models can't be turned on by pressing power button of TIO			Power supply	90 watts AC/DC adapter, 88% PSU, universal																
Panel	TFT-LCD, In-Plane Switching technology**, White LED backlight <i>Notes:</i> In-Plane Switching may refer to VA, PLS, and IPS panels			Power consumption	19 watts typical, 32 watts maximum, <0.5 watts standby / suspend																
Viewable image size	21.5" (546.1mm) diagonal			Limited warranty	<b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service																
Max view area (W x H)	18.74" x 10.54" / 476.1mm x 267.8mm			VESA-compliant	VESA DDC2B/CI, VESA DPMS-compliant																
Bezel Width	Top / Side: 2mm, Bottom: 22.1mm			Ergonomics	ISO 9241-307, TUV Eye Comfort certified																
Native resolution	<b>1920x1080</b>			Emission standards	FCC Class B																
Multi-touch	Optional 10-point multi-touch, supports Wake on Touch			Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Gold rating, ULE Gold, TUV, VOC																
Aspect ratio	16:9			Windows certifications	Windows 7 and Windows 10 certified																
Pixel pitch (mm)	0.24795mm			Ship group	TIO (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster																
Dot/Pixel per Inch	102.4 dpi			Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																
Brightness	250 nits or cd/m² (typical)			<table border="1"> <thead> <tr> <th colspan="4">ThinkCentre Tiny-in-One 22 Gen3 Compatible list</th> </tr> <tr> <th>Model</th> <th>M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny</th> <th>M93/p Tiny, M73 Tiny</th> <th>Chromebox</th> </tr> </thead> <tbody> <tr> <td>Turn on TIO and Tiny together via Alt + P on USB KB</td> <td>All models</td> <td>All models</td> <td>Not support</td> </tr> <tr> <td>Turn on TIO and Tiny together via TIO Power Button</td> <td>All models</td> <td>TIO models</td> <td>All models</td> </tr> </tbody> </table>		ThinkCentre Tiny-in-One 22 Gen3 Compatible list				Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox	Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support	Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models
ThinkCentre Tiny-in-One 22 Gen3 Compatible list																					
Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox																		
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support																		
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models																		
Contrast ratio	1000:1 (typical)																				
Pixel response time	14ms (default), over drive to 4ms, 6ms																				
Color gamut	72%																				
Anti-reflective	Anti-glare																				
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical																				
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz																				
Presets / user settings	Presets: 25; user settings: 25																				
On screen display	On screen display with digital user controls (8 languages)																				
Control features	<i>Font:</i> Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button <i>Bottom:</i> Volume up button, Volume down button																				
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)																				
Side ports (TIO)	One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port) <i>Notes:</i> The USB port is only available when a Tiny is installed or a PC is connected via USB upstream port																				
Side ports (Tiny)	Side ports offered by installed Tiny (optional)																				
Rear ports	One DisplayPort in port, one USB upstream port, one power connector																				
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)																				
Camera	720p camera with dual microphone for VOIP, LED indicator																				
Internal Speaker	2 watt x2																				
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)																				
Mechanical	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>TIO without stand</th> <th>TIO with stand</th> </tr> </thead> <tbody> <tr> <td>W x D x H (inch)</td> <td>19.26 x 2.85 x 13.35</td> <td>19.26 x 10.76 x 14.59 - 18.93</td> </tr> <tr> <td>W x D x H (mm)</td> <td>489.3 x 72.5 x 339</td> <td>489.3 x 273.3 x 370.7 - 480.7</td> </tr> <tr> <td>Weight (Approx.)</td> <td>7.01 lb / 3.19 kg</td> <td>11.77 lb / 5.34 kg</td> </tr> </tbody> </table>			Dimensions	TIO without stand	TIO with stand	W x D x H (inch)	19.26 x 2.85 x 13.35	19.26 x 10.76 x 14.59 - 18.93	W x D x H (mm)	489.3 x 72.5 x 339	489.3 x 273.3 x 370.7 - 480.7	Weight (Approx.)	7.01 lb / 3.19 kg	11.77 lb / 5.34 kg						
Dimensions	TIO without stand	TIO with stand																			
W x D x H (inch)	19.26 x 2.85 x 13.35	19.26 x 10.76 x 14.59 - 18.93																			
W x D x H (mm)	489.3 x 72.5 x 339	489.3 x 273.3 x 370.7 - 480.7																			
Weight (Approx.)	7.01 lb / 3.19 kg	11.77 lb / 5.34 kg																			

ThinkCentre Tiny-In-One 22 Gen3 - 10R0

Product Specifications Reference (PSREF)

Model	Product	Region	Color	Display Size	Multi-touch	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10R0PAR1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	10-point Multi-touch	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10R0PAT1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	10-point Multi-touch	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17

# ThinkCentre Tiny-In-One 22 Gen3 - 10R1

Product Specifications Reference (PSREF)

Model	Product	Region	Color	Display Size	Multi-touch	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10R1PAR1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	None	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10R1PAT1US	ThinkCentre Tiny-in-One 22 Gen3	US	Black	21.5"	None	1920x1080	16:9	0.24795 mm	102.4 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17





# ThinkCentre Tiny-in-One (TIO) 24

Product Specifications Reference (PSREF)

Model	10LLPAR6++ / 10LLPAT6++		
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 24, clean cabling and effortless setup		
Compatible Tiny:	M900 Tiny, M700 Tiny, M600 Tiny, M93/p Tiny*, M83 Tiny, M73 Tiny*, or M53 Tiny, Chromebox * Non-TIO models can't be turned on by pressing power button of TIO 24		
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight		
Viewable image size	23.8" (604.7mm) diagonal		
Max view area (W x H)	21.06" x 12.32" / 535.0mm x 313.0mm		
Bezel Width	Top / Side: 2mm, Bottom: 16.3mm		
Optimum resolution	<b>1920x1080</b>		
Aspect ratio	16:9		
Pixel pitch (mm)	0.2745mm		
Dot/Pixel per Inch	92.6 dpi		
Brightness	250 nits or cd/m <sup>2</sup> (typical)		
Contrast ratio	1000:1 (typical)		
Pixel response time	7ms		
Color gamut	72%		
Anti-reflective	Anti-glare		
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical		
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz		
Presets / user settings	Presets: 25; user settings: 25		
On screen display	On screen display with digital user controls (8 languages)		
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video / audio / USB input sources) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button		
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)		
Front ports	Two USB 3.0 or two USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port), one headphone / microphone combo jack (3.5mm) * The USB ports are only available when a Tiny is installed or a PC is connected via USB upstream port		
Side ports	Side ports offered by installed Tiny (optional)		
Rear ports	One DisplayPort 1.2 port, one USB upstream port, one power connector		
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB 3.0 [supports USB 3.0/USB 2.0], DisplayPort 1.2), only for connecting to Tiny installed (optional)		
Internal Speaker	1.5 watt x1		
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO 24 together, more security features offered by Tiny installed (optional)		
Mechanical	Dimensions	TIO 24 without stand	TIO 24 with stand
	W x D x H (inch)	21.24 x 2.7 x 13.64	21.24 x 9.90 x 15.16 - 19.46
	W x D x H (mm)	539.6 x 68.2 x 346.45	539.6 x 251.4 x 385.08 - 495.08
	Weight (approximately)	12.25 lb /5.57 kg (with stand)	
Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)		
Adjustable stand	Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°		
Power supply	90 watts AC/DC adapter, 88% PSU, universal		
Power consumption	16.7 watts typical, 35 watts maximum, <0.5 watts standby / suspend		
Limited warranty <sup>3</sup>	<b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service		
VESA-compliant <sup>2</sup>	VESA DDC2B/CI, VESA DPMS-compliant		
Ergonomics	ISO 9241-307		
Emission standards	FCC Class B		
Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0		
Windows certifications	EPEAT™ Gold rating, ULE Gold, TUV, VOC Windows 7, Windows 8/8.1, and Windows 10 certified		
Ship group	TIO 24 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster		
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>		

ThinkCentre Tiny-in-One 24 Compatible list			
Model	M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

See footnotes for more detailed information

Model	Region	Color	Display Size	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10LLPAR6US	US	Black	23.8"	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	16.7W / 35W	90W 88% Adapter	3-year	05/16
10LLPAT6US	US	Black	23.8"	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	7 ms	72%	178 / 178	Adjustable Stand	16.7W / 35W	90W 88% Adapter	3-year	05/16



# ThinkCentre Tiny-in-One (TIO) 24 Gen3

Product Specifications Reference (PSREF)

Model	<i>Non-touch model:</i> 10QYPAR1++/10QYPAT1++; <i>Touch model:</i> 10QXPAR1++/10QXPAT1++			Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPI® (100mm mount)																
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup			Adjustable stand	<i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; <i>Pivot:</i> clockwise 0° to 90°																
Compatible Tiny:	M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny * Non-TIO models can't be turned on by pressing power button of TIO			Power supply	90 watts AC/DC adapter, 88% PSU, universal																
Panel	TFT-LCD, In-Plane Switching technology**, White LED backlight <i>Notes:</i> In-Plane Switching may refer to VA, PLS, and IPS panels			Power consumption	19 watts typical, 32 watts maximum, <0.5 watts standby / suspend																
Viewable image size	23.8" (604.7mm) diagonal			Limited warranty	<b>3-years</b> , Customer Carry-In or Mail-In via Rapid Replacement Service																
Max view area (W x H)	21.06" x 12.32" / 535.0mm x 313.0mm			VESA-compliant	VESA DDC2B/CI, VESA DPMS-compliant																
Bezel Width	Top / Side: 2mm, Bottom: 22.1mm			Ergonomics	ISO 9241-307, TUV Eye Comfort certified																
Native resolution	<b>1920x1080</b>			Emission standards	FCC Class B																
Multi-touch	Optional 10-point multi-touch, supports Wake on Touch			Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Gold rating, ULE Gold, TUV, VOC																
Aspect ratio	16:9			Windows certifications	Windows 7 and Windows 10 certified																
Pixel pitch (mm)	0.2745mm			Ship group	TIO 24 (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster																
Dot/Pixel per Inch	92.6 dpi			Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																
Brightness	250 nits or cd/m² (typical)			<table border="1"> <thead> <tr> <th colspan="4">ThinkCentre Tiny-in-One 24 Gen3 Compatible list</th> </tr> <tr> <th>Model</th> <th>M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny</th> <th>M93/p Tiny, M73 Tiny</th> <th>Chromebox</th> </tr> </thead> <tbody> <tr> <td>Turn on TIO and Tiny together via Alt + P on USB KB</td> <td>All models</td> <td>All models</td> <td>Not support</td> </tr> <tr> <td>Turn on TIO and Tiny together via TIO Power Button</td> <td>All models</td> <td>TIO models</td> <td>All models</td> </tr> </tbody> </table>		ThinkCentre Tiny-in-One 24 Gen3 Compatible list				Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox	Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support	Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models
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Contrast ratio	1000:1 (typical)																				
Pixel response time	14ms (default), over drive to 4ms, 6ms																				
Color gamut	72%																				
Anti-reflective	Anti-glare																				
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical																				
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 67Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz																				
Presets / user settings	Presets: 25; user settings: 25																				
On screen display	On screen display with digital user controls (8 languages)																				
Control features	Font: Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button Bottom: Volume up button, Volume down button																				
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)																				
Side ports (TIO)	One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port) <i>Notes:</i> The USB port is only available when a Tiny is installed or a PC is connected via USB upstream port																				
Side ports (Tiny)	Side ports offered by installed Tiny (optional)																				
Rear ports	One DisplayPort in port, one USB upstream port, one power connector																				
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)																				
Camera	1080p camera with dual microphone for VOIP, LED indicator																				
Internal Speaker	2 watt x2																				
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)																				
Mechanical	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>TIO without stand</th> <th>TIO with stand</th> </tr> </thead> <tbody> <tr> <td>W x D x H (inch)</td> <td>21.25 x 2.85 x 14.47</td> <td>21.25 x 11.11 x 15.72 - 20.06</td> </tr> <tr> <td>W x D x H (mm)</td> <td>539.8 x 72.5 x 367.6</td> <td>539.8 x 282.3 x 399.4 - 509.4</td> </tr> <tr> <td>Weight (Approx.)</td> <td>7.96 lb /3.61 kg</td> <td>12.92 lb /5.86 kg</td> </tr> </tbody> </table>			Dimensions	TIO without stand	TIO with stand	W x D x H (inch)	21.25 x 2.85 x 14.47	21.25 x 11.11 x 15.72 - 20.06	W x D x H (mm)	539.8 x 72.5 x 367.6	539.8 x 282.3 x 399.4 - 509.4	Weight (Approx.)	7.96 lb /3.61 kg	12.92 lb /5.86 kg						
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Weight (Approx.)	7.96 lb /3.61 kg	12.92 lb /5.86 kg																			

# ThinkCentre Tiny-In-One 24 Gen3 - 10QX

Product Specifications Reference (PSREF)

Model	Product	Region	Color	Display Size	Multi-touch	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10QXPAR1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	10-point Multi-touch	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10QXPAT1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	10-point Multi-touch	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17

# ThinkCentre Tiny-In-One 24 Gen3 - 10QY

Product Specifications Reference (PSREF)

Model	Product	Region	Color	Display Size	Multi-touch	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10QYPAR1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	None	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17
10QYPAT1US	ThinkCentre Tiny-in-One 24 Gen3	US	Black	23.8"	None	1920x1080	16:9	0.2745 mm	92.6 dpi	250 nits	1000:1	4-14 ms	72%	178 / 178	Adjustable Stand	19W / 32W	90W 88% Adapter	3-year	07/17





# ThinkCentre Tiny-in-One (TIO) 27

Product Specifications Reference (PSREF)

Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup	Mechanical		TIO without stand	TIO with stand
Compatible Tiny:	ThinkCentre Tiny, ThinkCentre Nano, and ThinkStation Tiny		Dimensions (W x D x H mm / inch)	614.0 x 73.89 x 413.1 / 24.17 x 2.91 x 16.26	614.0 x 329.0 x 444.25 - 554.25 / 24.17 x 12.95 x 17.49 - 21.82
Panel	TFT-LCD, In-Plane Switching technology**, White LED backlight **Notes: In-Plane Switching may refer to IPS, PLS, ADS, AHVA, and AA	Mounting features	Weight (Approx.)	4.91 kg / 10.82 lb	7.95 kg / 17.53 lb
Viewable image size	27" (685.8mm) diagonal		Adjustable stand	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; Pivot: clockwise -5° to 90°	
Max view area (W x H)	23.49" x 13.22" / 596.7mm x 335.7mm	Power supply	170 watts adapter, 88% PSU, universal		
Bezel Width	Top / Side: 2mm, Bottom: 23.3mm	Power consumption	37 watts typical, 57 watts maximum, <0.5 watts standby / suspend		
Native resolution	<b>2560x1440</b>	Limited warranty	<b>3-years</b> , Product Exchange Service (US and EMEA) or Customer Carry-In Service (EMEA)		
Multi-touch	None	VESA-compliant	VESA DDC/CI, VESA DPMS-compliant		
Aspect ratio	16:9	Ergonomics	ISO 9241-307, TUV Eye Comfort certified		
Pixel pitch (mm)	0.2331mm	Emission standards	FCC Class B		
Dot/Pixel per Inch	109 dpi	Environmental	TCO 8.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Bronze rating, ULE Gold, TUV, VOC		
Brightness	350 nits or cd/m² (typical)	Windows certifications	Windows 7 and Windows 10 certified		
Contrast ratio	1000:1 (typical)	Ship group	TIO 27 (Monitor), detachable stand, power adapter, power cord, reference and driver CD		
Pixel response time	14ms (default), over drive to 4ms, 6ms	Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>		
Color gamut	99% sRGB				
Anti-glare	Yes (25%)				
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical				
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x768 @ 60Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz 2560x1440 @ 60Hz				
Presets / user settings	Presets: 27; user settings: 25				
On screen display	On screen display with digital user controls (8 languages)				
Control features	Front: Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button Bottom: Volume up button, Volume down button				
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some support, see Compatible Matrix)				
Side ports (TIO)	Two USB 3.1 Gen1 (downgrade to USB 2.0 when installing M73 or M53 or connecting USB 2.0 via USB upstream port), one headphone / microphone combo jack Notes: The USB ports are enabled by installing a Tiny or connecting USB upstream port; the audio port is enabled by installing a Tiny or connecting USB upstream, DisplayPort(in), or HDMI(in) port				
Side ports (Tiny)	Side ports offered by the installed Tiny (optional)				
Rear ports	One DisplayPort(in) port, one HDMI(in) port, one USB (Type-B) upstream port, one power connector				
3-in-1 Cable	Undetachable 3-in-1 cable, connecting to the power connector, one USB, and one DisplayPort of the installed Tiny (optional)				
Camera	RGBIR camera with dual microphone, supports Window Hello and Facial Recognition, Think Shutter for Privacy Security, LED indicator				
Internal Speaker	2 watt x2				
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)				

ThinkCentre Tiny-in-One 27 Compatible Matrix			
Model	P320 / P330 / M920(x) / M720 / M910(x) / M710 / M900(x) / M700 / M600 / M715 / M83 / M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

# ThinkCentre Tiny-In-One 27 - 10YF

Product Specifications Reference (PSREF)

Model	Product	Region	Color	Display Size	Multi-touch	Resolution	Aspect Ratio	Pixel Pitch	Dot / Pixel Per Inch	Brightness	Contrast Ratio	Pixel Response Time	Color Gamut	View Angle (H / V)	Stand	Power Consumption (Typical / Maximum)	Power Supply	Warranty	Ann Date (mm/yy)
10YFRAR1US	ThinkCentre Tiny-in-One 27	US	Black	27"	None	2560x1440	16:9	0.2331 mm	109 dpi	350 nits	1000:1	4 - 14 ms	99% sRGB	178 / 178	Adjustable Stand	37W / 57W	170W 88% Adapter	3-year	02/19

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**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

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