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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.

## September 23, 2015 - Version 479

### Additions in this update

▶ **New product(s)**

None

▶ **New model(s)**

ThinkPad Yoga 11e (2<sup>nd</sup> Gen) new models announced September 2015

ThinkPad Yoga 11e new models announced September 2015

▶ **Others**

None

### Changes in this update

▶ None

### Withdrawals in this update

▶ **Withdrawn product(s)**

None



Lenovo ThinkPad 10



Lenovo ThinkPad 10



Lenovo ThinkPad 10



Lenovo ThinkPad 10



Lenovo ThinkPad 10



# ThinkPad 10 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	<i>Touchscreen tablet with a full PC experience and superior versatility</i>									Light sensor	Ambient Light Sensor, InterSil ISL29023
Processor	Intel® Atom Processor									G-sensor/ eCompass	3D accelerometer and 3D magnetometer module, AKM AK8963C
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Gyroscope	3-axis gyroscope
	Z3795	4	4	1.6 GHz	2.4 GHz	2MB	LP DDR3-1067	Intel HD Graphics	No	Audio support	Realtek® ALC5672 codec / stereo speakers, 0.5 watt x 2 / 3 digital microphones, combo audio/microphone jack
Memory	<i>Some:</i> 2GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard <i>Some:</i> 4GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard <i>All:</i> no sockets, dual-channel capable									Media capable	Audio formats: MP3, AAC, AAC+, eAAC+, WAV, PCM, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid
Optical	None									WLAN <sup>4</sup>	11a/b/g/n <sup>28</sup> wireless, ThinkPad 11a/b/g/n, 2x2, WiFi + Bluetooth combo chip
Ultrabay	None									WWAN	<i>Optional:</i> Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board									SIM card ( <i>Micro</i> )	<i>Optional:</i> AT&T / Verizon / T-Mobile, contract required with service provider
Storage extension	One microSD Card slot, supports up to 64GB									GNSS	Global Navigation Satellite System
Graphics	<b>Intel HD Graphics</b> in processor, supports 1080p video out via micro-HDMI™ connector, HDCP-compliant									Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Display	<b>10.1"</b> (256.5mm) <b>WUXGA (1920x1200) TFT color</b> , anti-reflective display with Corning® Gorilla® Glass, LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture									Ethernet	None
Tablet pen	ThinkPad 10 Digitizer Pen, supports hover, tip, and pressure modes / a button for selection / no batteries required (no Pen holder in Form Factor design)									NFC	<i>Optional:</i> Near Field Communication
Camera	<i>Front camera:</i> 2.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED									Security	None
Video capture	1080p video capture									Security chip	<i>All:</i> Trusted Platform Module, TPM 2.0 FW (firmware) <i>Optional:</i> Trusted Platform Module, TCG 1.2-compliant
Control buttons	Windows button, Power button, volume control button, rotation lock switch, reset switch									vPro & iAMT	None
Keyboard	<i>Optional:</i> ThinkPad 10 Classic keyboard (Mechanical) or ThinkPad 10 Touch Case (Membrane)									Fingerprint reader	<i>Optional:</i> Fingerprint reader on the A Cover
Dimensions <sup>3</sup>	10.09" x 6.96" x 0.35"; 256.5mm x 177.0mm x 8.95mm									Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service/ service upgrades <sup>22</sup> available
Weight <sup>2</sup>	<i>WiFi only:</i> from 1.32 lb (0.598kg); <i>WiFi + WWAN:</i> from 1.34 lb (0.610kg); <i>WiFi + WWAN + SCR:</i> from 1.46 lb (0.660kg)									Preload	<i>Some:</i> Windows 8.1 Pro 32-bit or Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 32-bit or Windows 8.1 64-bit <ul style="list-style-type: none"> <li>• Lenovo Solution Center</li> <li>• Lenovo Support</li> <li>• Lenovo Companion</li> <li>• ThinkVantage System Update</li> <li>• Hightail Cloud Storage</li> <li>• PC Device Stage</li> <li>• AccuWeather</li> <li>• Amazon Kindle</li> <li>• Nitro Pro</li> <li>• Evernote</li> <li>• Rara</li> <li>• Norton Studio</li> <li>• Microsoft® Office preloaded; purchase a product key to activate</li> <li>• Norton™ Internet Security (30 days of virus definitions)</li> </ul>
Case color	Graphite Black									Environment	None
Case material	Aluminum frame										
Battery - type	Lithium Polymer, 33Whr										
Battery - life <sup>10</sup>	up to 26 days (standby); up to 110 hr (MP3 playback); up to 10 hr (local video playback)										
AC adapter	36-watt AC adapter (Unique New Connector)										
Platform	<b>Intel Atom Z3795 SoC (System on Chip) platform</b>										
Smart Card Read	<i>Optional:</i> Smart Card reader (SCR)										
Multicard Reader	None										
Ports	One USB 2.0, one Micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one Keyboard connector, one Micro SIM slot										

See footnotes for more detailed information

# ThinkPad 10 20C1 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Graphics	Camera Front/Rear (MP)	Storage	Digitizer & Pen	Keyboard	M.2 Card WLAN	M.2 Card WWAN	SIM card	Finger print reader	NFC	Smart Card Reader	Battery	TPM	Top Color	Smart Cover	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20C10001US	Z3795	2GB	10.1" WUXGA	Intel HD	2.0/8.0	64G	Pen	None	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 32	1-Depot	No	05/14
20C1001DUS	Z3795	2GB	10.1" WUXGA	Intel HD	2.0/8.0	64G	Pen	None	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 Pro32	1-Depot	No	05/14
20C1002RUS	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	None	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 Pro64	1-Depot	No	05/14
20C1002SUS	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	None	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 64	1-Depot	No	06/14
20C1A00RUS	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	Classic	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 Pro64	1-Depot	No	07/14
20C1002TUS	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	None	11a/b/g/n	EM7345	None	Finger	NFC	None	33Wh	TPM2.0	Black	None	Win8.1 Pro64	1-Depot	No	08/14
20C1002UUS	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	Classic	11a/b/g/n	EM7345	None	Finger	NFC	None	33Wh	TPM2.0	Black	None	Win8.1 Pro64	1-Depot	No	08/14
20C1001AUS	Z3795	2GB	10.1" WUXGA	Intel HD	2.0/8.0	64G	Pen	Classic	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 Pro32	1-Depot	No	08/14
20C10032US	Z3795	2GB	10.1" WUXGA	Intel HD	2.0/8.0	64G	Pen	None	11a/b/g/n	EM7345	None	Finger	NFC	None	33Wh	TPM2.0	Black	None	Win8.1 Pro32	1-Depot	No	08/14

• For detailed platform specifications, please see [ThinkPad 10 Platform Specifications sheet](#)

Processor	Intel® Atom Processor Z3795 (4 cores, 2MB cache), Burst Frequency 2.4 GHz	Chipset	<b>Intel Atom Z3795 SoC (System on Chip) platform</b>
Memory	<i>Some:</i> 2GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard <i>Some:</i> 4GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard <i>All:</i> no sockets, dual-channel capable	Smart Card Read	<i>Optional:</i> Smart Card reader
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board	Multicard Reader	None
Storage extension	One microSD Card slot, supports up to 64GB	Ports	One USB 2.0, one Micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one Keyboard connector, one Micro SIM slot
Widescreen display	<b>10.1"</b> (256.5mm) <b>WUXGA (1920x1200) TFT color</b> , anti-reflective display with Corning® Gorilla® Glass, LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture	Audio support	Realtek® ALC5672 codec / stereo speakers, 0.5 watt x 2 / 3 digital microphone, combo audio/microphone jack
Camera	<i>Front camera:</i> 2.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED	WLAN <sup>4</sup>	11a/b/g/n <sup>28</sup> wireless, ThinkPad 11a/b/g/n, 2x2, WiFi + Bluetooth combo chip
Graphics	<b>Intel HD Graphics</b> in processor, supports 1080p video out via micro-HDMI™ connector, HDCP-compliant	WWAN	<i>Optional:</i> Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS
Keyboard	<i>Optional:</i> ThinkPad 10 Classic keyboard or Touch Case	SIM card	<i>Optional:</i> AT&T / Verizon / T-Mobile, contract required with service provider
Dimensions <sup>3</sup>	10.09" x 6.96" x 0.35"; 256.5mm x 177.0mm x 8.95mm	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Weight <sup>2</sup>	<i>WiFi only:</i> from 1.32 lb (0.598kg); <i>WiFi + WWAN:</i> from 1.34 lb (0.610kg); <i>WiFi + WWAN + SCR:</i> from 1.46 lb (0.660kg)	Ethernet	None
Case material	Aluminum frame,	NFC	<i>Optional:</i> Near Field Communication
Battery - type	Lithium Polymer, 33Whr	Security	None
Battery - life <sup>10</sup>	up to 26 days (standby); up to 110 hr (MP3 playback); up to 10 hr (local video playback)	Security chip	<i>All:</i> Trusted Platform Module, TPM 2.0 FW (firmware) <i>Optional:</i> Trusted Platform Module, TCG 1.2-compliant
AC adapter	36-watt AC adapter	vPro & iAMT	None
		Fingerprint reader	<i>Optional:</i> Fingerprint reader on the A Cover
		Tablet pen	ThinkPad 10 Digitizer Pen
		Preload	<i>Win8 / 8.1 Pro:</i> Windows 8.1 Pro 32-bit or Windows 8.1 Pro 64-bit <i>Win8 / 8.1:</i> Windows 8.1 32-bit or Windows 8.1 64-bit
		Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available

See footnotes for more detailed information

# ThinkPad 10 20C3

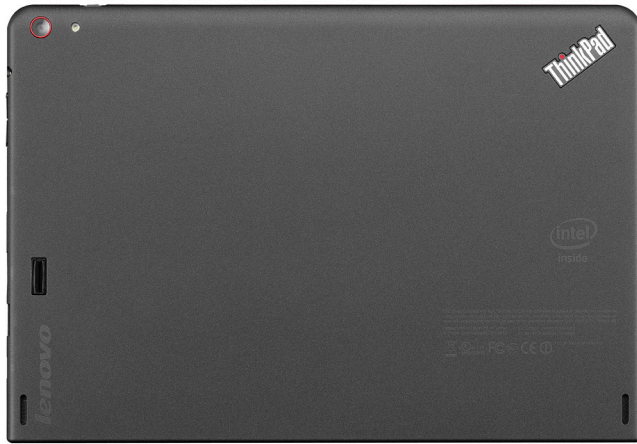
Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Graphics	Camera Front/Rear (MP)	Storage	Digitizer & Pen	Key-board	M.2 Card WLAN	M.2 Card WWAN	SIM card	Finger print reader	NFC	Smart Card Reader	Battery	TPM	Top Color	Smart Cover	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20C30007US	Z3795	2GB	10.1" WUXGA	Intel HD	2.0/8.0	64G	Pen	None	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 Pro32	1-Depot	G	05/14
20C3001UUS	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	None	11a/b/g/n	None	None	None	None	None	33Wh	TPM2.0	Black	None	Win8.1 Pro64	1-Depot	G	05/14
20C30024US	Z3795	4GB	10.1" WUXGA	Intel HD	2.0/8.0	128G	Pen	None	11a/b/g/n	EM7345	None	Finger	NFC	None	33Wh	TPM2.0	Black	None	Win8.1 Pro64	1-Depot	G	08/14
20C3002AUS	Z3795	2GB	10.1" WUXGA	Intel HD	2.0/8.0	64G	Pen	None	11a/b/g/n	EM7345	None	Finger	NFC	None	33Wh	TPM2.0	Black	None	Win8.1 Pro32	1-Depot	G	08/14

• For detailed platform specifications, please see [ThinkPad 10 Platform Specifications sheet](#)

Processor	Intel® Atom Processor Z3795 (4 cores, 2MB cache), Burst Frequency 2.4 GHz	Chipset	<b>Intel Atom Z3795 SoC (System on Chip) platform</b>
Memory	<i>Some:</i> 2GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard <i>Some:</i> 4GB / 1067MHz LPDDR3, mobile DDR / soldered to systemboard <i>All:</i> no sockets, dual-channel capable	Smart Card Read Multicard Reader Ports	<i>Optional:</i> Smart Card reader None One USB 2.0, one Micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one Keyboard connector, one Micro SIM slot
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board	Audio support	Realtek® ALC5672 codec / stereo speakers, 0.5 watt x 2 / 3 digital microphone, combo audio/microphone jack
Storage extension	One microSD Card slot, supports up to 64GB	WLAN <sup>4</sup>	11a/b/g/n <sup>28</sup> wireless, ThinkPad 11a/b/g/n, 2x2, WiFi + Bluetooth combo chip
Widescreen display	<b>10.1"</b> (256.5mm) <b>WUXGA (1920x1200) TFT color</b> , anti-reflective display with Corning® Gorilla® Glass, LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture	WWAN	<i>Optional:</i> Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS
Camera	<i>Front camera:</i> 2.0-megapixel, fixed focus <i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED	SIM card	<i>Optional:</i> AT&T / Verizon / T-Mobile, contract required with service provider
Graphics	<b>Intel HD Graphics</b> in processor, supports 1080p video out via micro-HDMI™ connector, HDCP-compliant	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Keyboard	<i>Optional:</i> ThinkPad 10 Classic keyboard or Touch Case	Ethernet	None
Dimensions <sup>3</sup>	10.09" x 6.96" x 0.35"; 256.5mm x 177.0mm x 8.95mm 10.09" x 6.96" x 0.67"; 256.5mm x 177.0mm x 16.95mm (with SCR)	NFC	<i>Optional:</i> Near Field Communication
Weight <sup>2</sup>	<i>WiFi only:</i> from 1.32 lb (0.598kg); <i>WiFi + WWAN:</i> from 1.34 lb (0.610kg); <i>WiFi + WWAN + SCR:</i> from 1.46 lb (0.660kg)	Security	None
Case material	Aluminum frame,	Security chip	<i>All:</i> Trusted Platform Module, TPM 2.0 FW (firmware) <i>Optional:</i> Trusted Platform Module, TCG 1.2-compliant
Battery - type	Lithium Polymer, 33Whr	vPro & iAMT	None
Battery - life <sup>10</sup>	up to 26 days (standby); up to 110 hr (MP3 playback); up to 10 hr (local video playback)	Fingerprint reader	<i>Optional:</i> Fingerprint reader on the A Cover
AC adapter	36-watt AC adapter	Tablet pen	ThinkPad 10 Digitizer Pen
		Preload	<i>Win8 /8.1 Pro:</i> Windows 8.1 Pro 32-bit or Windows 8.1 Pro 64-bit <i>Win8 /8.1:</i> Windows 8.1 32-bit or Windows 8.1 64-bit
		Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available

See footnotes for more detailed information



Lenovo ThinkPad 10



Lenovo ThinkPad 10



Lenovo ThinkPad 10



Lenovo ThinkPad 10



Lenovo ThinkPad 10



# ThinkPad 10 (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Positioning	<i>Touchscreen tablet with a full PC experience and superior versatility</i>								Camera	<i>Front camera:</i> 1.2-megapixel, fixed focus <i>Rear camera:</i> 5.0-megapixel, auto focus, flash LED
Processor	Intel® Atom Processor								Video capture Audio support	1080p video capture Realtek® ALC5672 codec / stereo speakers, 1.0 watt x 2 / 3 digital front microphones, combo audio/microphone jack
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics		Audio formats: MP3, AAC, AAC+, eAAC+, WAV, PCM, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid
	x7-Z8700	4	4	1.60 GHz	2.40 GHz	2MB	LPDDR3-1600	Intel HD Graphics	Media capable	
Graphics	Intel HD Graphics in processor, supports 1080p video out via micro-HDMI™ connector, HDCP-compliant								Keyboard	<i>Non-pro:</i> Ultrabook keyboard, mechanical keyboard, pen holder <i>Folio:</i> Folio keyboard, thin keyboard, pen loop
Chipset	Intel Atom SoC (System on Chip) platform								Security	Kensington lock slot
Memory	<i>Some:</i> 2GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard <i>Some:</i> 4GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard <i>All:</i> no sockets, dual-channel capable								Security chip	<i>TPM2.0:</i> Trusted Platform Module, TPM 2.0 FW (firmware) <i>TPM1.2:</i> Trusted Platform Module, TCG 1.2-compliant <i>TPM:</i> TPM2.0 and TPM1.2
Display	10.1" (256.5mm) WUXGA (1920x1200) TFT color, anti-fingerprint display with Corning® Gorilla® Glass, WideView (170° viewing), LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS, Multi-touch screen, supports ten-finger gesture								vPro & iAMT	None
Multi-touch	<i>Optional:</i> ThinkPad Pen Pro, supports pressure modes / two buttons for input / batteries required (no pen holder in form factor design)								Fingerprint reader	<i>Optional:</i> Fingerprint reader on the A Cover
Pen									NFC	<i>Optional:</i> Near Field Communication
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board								Battery - type	Lithium polymer, 32Whr
Optical	None								Battery - life	up to 26 days (standby); up to 10 hr (local video playback)
Storage extension	One microSD card slot, supports up to 128GB								AC adapter	36-watt AC adapter
Ethernet	None								Light sensor	Ambient Light Sensor, InterSil ISL29035
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								G-sensor	3D accelerometer
WLAN	11ac wireless, BCM4356, 802.11ac, 2x2, Wi-Fi + Bluetooth combo chip								Compass	3D compass
WWAN	<i>Optional:</i> Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS								Gyroscope	3D gyrometer
SIM card (Micro)	None								GPS	GPS function is integrated into WWAN module
Smart Card Read	<i>Optional:</i> Smart card reader (SCR)								Preload	<i>Some:</i> Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Home Single Language 64 • Lenovo Solution Center • Lenovo Companion (includes System Update) • Lenovo REACHit • Lenovo Settings • Lenovo SHAREit • Lenovo WRITEit • Microsoft® Office preloaded; purchase a product key to activate • McAfee LiveSafe (30 days of virus definitions)
Dimensions	10.09" x 6.96" x 0.36"; 256.5mm x 177.0mm x 9.10mm 10.09" x 6.96" x 0.67"; 256.5mm x 177.0mm x 17.10mm (with SCR)								Limited warranty	1-year - depot repair service/ service upgrades available
Weight	<i>WiFi only:</i> from 1.32 lb (0.597kg); <i>WiFi + WWAN:</i> from 1.36 lb (0.618kg); <i>WiFi + WWAN + SCR:</i> from 1.43 lb (0.648kg)								Mil-Spec test	MIL-STD-810G military certification
Case color	Graphite black								Environment	RoHS, GREENGUARD, Low Halogen
Case material	Polyamide and Glass Fiber Reinforced									
Media reader	One microSD card slot (SDXC/SDHC, UHS-I), supports up to 128GB									
Ports	One standard USB 3.0, one micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one keyboard connector, one micro SIM slot									
Monitor cable	None									
Control buttons	Windows button, power button, volume control button, reset switch									

# ThinkPad 10 (2<sup>nd</sup> Gen) 20E3 (TopSeller) - Windows 10

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Display	Multi-touch	Pen	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart Card Reader	Color	Camera Front/Rear (MP)	Keyboard	Smart Cover	TPM	Finger print reader	NFC	Battery	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20E3000QUS	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	None	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000SUS	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	None	None	None	Black	1.2/5.0	Non-pro	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000TUS	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	EM7345	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000RUS	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	EM7345	None	None	Black	1.2/5.0	Non-pro	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000VUS	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	None	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000UUS	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	EM7345	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000WUS	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	EM7345	None	None	Black	1.2/5.0	Non-pro	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E3000XUS	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	None	None	None	Black	1.2/5.0	Non-pro	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15

• For detailed platform specifications, please see [ThinkPad 10 Platform Specifications sheet](#)

Processor	Intel® Atom Processor	Media reader Ports	One microSD card slot (SDXC/SDHC, UHS-I), supports up to 128GB One standard USB 3.0, one Micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one keyboard connector, one micro SIM slot																
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Clock Speed</th> <th>Burst Frequency</th> <th>Cache</th> <th>Memory speed</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>x7-Z8700</td> <td>4</td> <td>4</td> <td>1.60 GHz</td> <td>2.40 GHz</td> <td>2MB</td> <td>LPDDR3-1600</td> <td>Intel HD Graphics</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	x7-Z8700	4	4	1.60 GHz	2.40 GHz	2MB	LPDDR3-1600	Intel HD Graphics	Monitor cable Control buttons	None Windows button, power button, volume control button, reset switch
Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics												
x7-Z8700	4	4	1.60 GHz	2.40 GHz	2MB	LPDDR3-1600	Intel HD Graphics												
Graphics	Intel HD Graphics in processor	Camera	Front camera: 1.2-megapixel, fixed focus Rear camera: 5.0-megapixel, auto focus, flash LED																
Chipset	Intel Atom SoC (System on Chip) platform	Video capture	1080p video capture																
Memory	Some: 2GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard Some: 4GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard	Audio support	Realtek® ALC5672 codec / stereo speakers, 1.0 watt x 2 / 3 digital front microphones, combo audio/microphone jack																
Display	10.1" (256.5mm) WUXGA (1920x1200) TFT color, WideView (170° viewing), LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS,	Keyboard	Non-pro: Ultrabook keyboard, mechanical keyboard, pen holder Folio: Folio keyboard, thin keyboard, pen loop																
Multi-touch	Multi-touch screen, supports ten-finger gesture	Security	Kensington lock slot																
Pen	Optional: ThinkPad Pen Pro, batteries required	Security chip	TPM2.0: Trusted Platform Module, TPM 2.0 FW (firmware) TPM1.2: Trusted Platform Module, TCG 1.2-compliant TPM: TPM2.0 and TPM1.2																
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board	Fingerprint reader	Optional: Fingerprint reader on the A Cover																
Storage extension	One microSD card slot, supports up to 128GB	NFC	Optional: Near Field Communication																
Ethernet	None	Battery - type	Lithium polymer, 32Whr																
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Battery - life	up to 26 days (standby); up to 10 hr (local video playback)																
WLAN	11ac wireless, BCM4356, 802.11ac, 2x2, Wi-Fi + Bluetooth combo chip	AC adapter	36-watt AC adapter																
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS	Light sensor	Ambient Light Sensor, InterSil ISL29035																
SIM card (Micro)	None	G-sensor	3D accelerometer																
Smart Card Read	Optional: Smart card reader (SCR)	Compass	3D compass																
Dimensions	10.09" x 6.96" x 0.36"; 256.5mm x 177.0mm x 9.10mm 10.09" x 6.96" x 0.67"; 256.5mm x 177.0mm x 17.10mm (with SCR)	Gyroscope	3D gyrometer																
Weight	WiFi only: from 1.32 lb (0.597kg); WiFi + WWAN: from 1.36 lb (0.618kg); WiFi + WWAN + SCR: from 1.43 lb (0.648kg)	GPS	GPS function is integrated into WWAN module																
Case color	Graphite black	Preload	Some: Windows 10 Pro 64 Some: Windows 10 Home 64																
Case material	Polyamide and Glass Fiber Reinforced	Limited warranty	1-year - depot repair service/ service upgrades available																
		Environment	RoHS, GREENGUARD, Low Halogen																



# ThinkPad 10 (2<sup>nd</sup> Gen) 20E4 (Windows 10)

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Display	Multi-touch	Pen	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart Card Reader	Color	Camera Front/Rear (MP)	Keyboard	Smart Cover	TPM	Finger print reader	NFC	Battery	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20E40006US	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	None	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E40007US	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	None	None	None	Black	1.2/5.0	Non-pro	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E40008US	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	None	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E40009US	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	None	None	None	Black	1.2/5.0	Non-pro	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E4000AUS	Z8700	Intel HD	2GB	10.1" WUXGA	MT	No	64G	11ac+BT4.0	EM7345	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15
20E4000BUS	Z8700	Intel HD	4GB	10.1" WUXGA	MT	No	128G	11ac+BT4.0	EM7345	None	None	Black	1.2/5.0	None	None	TPM2.0	Finger	None	32Wh	Win10 P64	1-Depot	No	07/15

• For detailed platform specifications, please see [ThinkPad 10 Platform Specifications sheet](#)

Processor	Intel® Atom Processor	Media reader Ports	One microSD card slot (SDXC/SDHC, UHS-I), supports up to 128GB One standard USB 3.0, one Micro-HDMI, headphone/microphone combo jack, one Living Hinge Docking connector, one keyboard connector, one micro SIM slot																
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Clock Speed</th> <th>Burst Frequency</th> <th>Cache</th> <th>Memory speed</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>x7-Z8700</td> <td>4</td> <td>4</td> <td>1.60 GHz</td> <td>2.40 GHz</td> <td>2MB</td> <td>LPDDR3-1600</td> <td>Intel HD Graphics</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	x7-Z8700	4	4	1.60 GHz	2.40 GHz	2MB	LPDDR3-1600	Intel HD Graphics	Monitor cable Control buttons	None Windows button, power button, volume control button, reset switch
Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics												
x7-Z8700	4	4	1.60 GHz	2.40 GHz	2MB	LPDDR3-1600	Intel HD Graphics												
Graphics	Intel HD Graphics in processor	Camera	Front camera: 1.2-megapixel, fixed focus Rear camera: 5.0-megapixel, auto focus, flash LED																
Chipset	Intel Atom SoC (System on Chip) platform	Video capture	1080p video capture																
Memory	Some: 2GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard Some: 4GB / 1600MHz LPDDR3, mobile DDR / soldered to systemboard	Audio support	Realtek® ALC5672 codec / stereo speakers, 1.0 watt x 2 / 3 digital front microphones, combo audio/microphone jack																
Display	10.1" (256.5mm) WUXGA (1920x1200) TFT color, WideView (170° viewing), LED backlight, 400 nits, 16:10 aspect ratio, 800:1 contrast ratio, IPS,	Keyboard	Non-pro: Ultrabook keyboard, mechanical keyboard, pen holder Folio: Folio keyboard, thin keyboard, pen loop																
Multi-touch	Multi-touch screen, supports ten-finger gesture	Security	Kensington lock slot																
Pen	Optional: ThinkPad Pen Pro, batteries required	Security chip	TPM2.0: Trusted Platform Module, TPM 2.0 FW (firmware) TPM1.2: Trusted Platform Module, TCG 1.2-compliant TPM: TPM2.0 and TPM1.2																
Storage	64GB or 128GB / eMMC (embedded Multi Media Card) flash memory on board	Fingerprint reader	Optional: Fingerprint reader on the A Cover																
Storage extension	One microSD card slot, supports up to 128GB	NFC	Optional: Near Field Communication																
Ethernet	None	Battery - type	Lithium polymer, 32Whr																
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Battery - life	up to 26 days (standby); up to 10 hr (local video playback)																
WLAN	11ac wireless, BCM4356, 802.11ac, 2x2, Wi-Fi + Bluetooth combo chip	AC adapter	36-watt AC adapter																
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS	Light sensor	Ambient Light Sensor, InterSil ISL29035																
SIM card (Micro)	None	G-sensor	3D accelerometer																
Smart Card Read	Optional: Smart card reader (SCR)	Compass	3D compass																
Dimensions	10.09" x 6.96" x 0.36"; 256.5mm x 177.0mm x 9.10mm	Gyroscope	3D gyrometer																
Weight	WiFi only: from 1.32 lb (0.597kg); WiFi + WWAN: from 1.36 lb (0.618kg); WiFi + WWAN + SCR: from 1.43 lb (0.648kg)	GPS	GPS function is integrated into WWAN module																
Case color	Graphite black	Preload	Some: Windows 10 Pro 64 Some: Windows 10 Home 64																
Case material	Polyamide and Glass Fiber Reinforced	Limited warranty	1-year - depot repair service/ service upgrades available																
		Environment	RoHS, GREENGUARD, Low Halogen																



Lenovo® ThinkPad Helix (Stand mode)



Lenovo ThinkPad Helix (Tablet mode) with ThinkPad Helix Digitizer Pen 0A33910



Lenovo ThinkPad Helix (Notebook mode)



Lenovo ThinkPad Helix



Lenovo ThinkPad Helix (Notebook mode)



Lenovo ThinkPad Helix



Lenovo® ThinkPad Helix  
(Tablet mode)



Lenovo ThinkPad Helix  
(Tablet only)



Lenovo ThinkPad Helix (Notebook mode)



Lenovo ThinkPad Helix (Tablet+ mode)



Lenovo ThinkPad Helix



Lenovo ThinkPad Helix (Notebook mode)

# ThinkPad Helix (3698) - TopSeller

Type-model	Processor	Memory	Widescreen display	Storage	Digitizer Pen	Front/ Rear (MP)	Keyboard Dock	Camera Enhanced	WLAN 802.11	PCIe Mini Card WWAN	Carrier	NFC	Blue-tooth	Intel AMT	Intel vPro	Preload	Ann Date (mm/yy)
3698-4UU	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S <sup>28</sup>	Gobi 4000	AT&T	NFC	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4TU	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	None	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4PU	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4NU	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4SU	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4RU	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4MU	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	iAMT	vPro	Win8 Pro64	03/13	
3698-4LU	i5-3337U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	None	No	Win8 Pro64	03/13	
3698-4KU	i5-3337U	4GB	11.6" FHD	256G	No	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	None	No	Win8 Pro64	03/13	
3698-4JU	i5-3337U	4GB	11.6" FHD	180G	No	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	None	No	Win8 Pro64	03/13	
3698-6EU	i5-3337U	4GB	11.6" FHD	128G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	BT	None	No	Win8 Pro64	04/13	

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **A depot repair service 3-year limited warranty**

Positioning	Convertible design for four modes - Notebook, Stand, Tablet, and Tablet +											<b>Preloaded operating system<sup>20</sup></b> - Windows® 8 Pro 64-bit				
Processor	Intel® Core™ i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology Intel Core i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology Intel Core i7-3667U processor (2 cores, 2.0GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology											<b>Preloaded applications<sup>14</sup></b> (only some listed) - <b>Traditional Desktop apps</b> • Lenovo® Solution Center • ThinkVantage System Update • Password Manager • Lenovo Cloud Storage by SugarSync • PC Device Stage • Nitro PDF Reader • Microsoft® Office preloaded; purchase a product key to activate • Intel Small Business Advantage				
Memory	8GB max / PC3-10600 1333MHz DDR3L / soldered to systemboard, no sockets											<b>- Windows Store apps</b> • Lenovo Settings • Lenovo Experience • Lenovo Support • Lenovo Companion • AT&T® All Access • Norton™ Internet Security 2013 (30 days of virus definitions) • AccuWeather • Evernote® Skitch (MultiTouch models) • Skype™ • Amazon Kindle				
Storage	mSATA Solid State Drive (SSD), via PCIe Mini Card slot															
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via Mini DisplayPort (supports VGA analog monitor via Mini DisplayPort to VGA Monitor Cable 0A36536); supports dual independent display; Max external resolution: 2560x1600 (Mini-DisplayPort)@60Hz															
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution															
Digitizer Pen	Some: Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required, pen holder on Tablet * The models without Digitizer Pen can not support pen input function via optional ThinkPad Helix Digitizer Pen (0A33910)															
Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus															
Video capture	1080p video capture															
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array digital microphone, combo audio/microphone jack															
Media capable	Audio formats: MP3, AAC, AAC+, eAAC+, WAV, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid															
Control buttons Keyboard Dock	Windows button, Power button, volume control button, rotation lock switch, reset switch Keyboard Dock, 6-row spill-resistant keyboard, TrackPoint® pointing device, MultiTouch glass touchpad w/ 5 integrated buttons, landscape stand, security keyhole, two USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 28Wh), the 45-watt AC adapter can charge both the Tablet battery and Keyboard Dock battery															
Light sensor G-sensor/ eCompass Gyroscope	Ambient Light Sensor, Capella CM3218 3D accelerometer and 3D magnetometer module, STMicroelectronics LSM303DLHC 3D gyroscope, STMicroelectronics L3GD20															
Chipset Tablet ports Monitor Cable	Mobile Intel QS77 Express Chipset One USB 2.0, one Mini DisplayPort, SIM card slot, Keyboard Dock connector None															
WLAN <sup>4</sup> WWAN	11a/b/g/n <sup>28</sup> , PCIe SFF (Small Form Factor) Mini Card, Intel Centrino® Advanced-N 6205S, 2x2 Some: Wireless WAN, Qualcomm® Gobi™ 4000 chipset, LTE (4G), PCIe TFF (Thin Form Factor) Mini Card, WCDMA/HSPA/HSPA+, GPS															
Carrier Bluetooth™ Ethernet NFC Intel AMT Security chip	Some: AT&T® LTE (4G), contract required with service provider Bluetooth 4.0 wireless None Some: Near Field Communication, easy for two devices to communicate with each other Some: Intel Active Management Technology (iAMT) Trusted Platform Module, TCG 1.2-compliant															
Dimensions <sup>3</sup>	Tablet only: 11.66" x 7.37" x 0.46"; 296.1mm x 187.3mm x 11.6mm Tablet with Keyboard Dock: 11.66" x 8.90" x 0.80"; 296.1mm x 226mm x 20.4mm															
Weight <sup>2</sup>	Tablet only: from 1.73 lb (0.785kg); Tablet with Keyboard Dock: from 3.54 lb (1.606kg)															
Case color Case material	Black Magnesium + PC/ABS (PolyCarbonate/Acrylonitrile-Butadiene-Styrene)															
Battery - type	Tablet battery: Integrated Lithium Polymer 3-cell battery, 42Whr Keyboard Dock battery: Integrated Lithium Polymer 4-cell battery, 28Whr											45-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>				
Battery - life <sup>10</sup>	MobileMark® 2012: Tablet only: up to 5.6 hr; Tablet with Keyboard Dock: up to 8.0 hr											For Lenovo service <sup>22</sup> upgrade options, please go to S-TA sheet				
Limited Warranty <sup>12</sup>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available															

See footnotes for more detailed information  
US model(s) announced March 26 or April 2, 2013



# ThinkPad Helix (3698) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Storage	Digitizer Pen	Camera Front/ Rear (MP)	Enhanced Keyboard Dock	WLAN 802.11	PCIe Mini Card WWAN	Carrier	NFC	Intel AMT	Intel vPro	Preload	Ann Date (mm/yy)
3698-6VU	i5-3337U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S <sup>28</sup>	Ericsson	selectable	NFC	None	No	Win8 Pro64	06/13
3698-6UU	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	iAMT	vPro	Win8 Pro64	06/13
3698-6TU	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	iAMT	vPro	Win8 Pro64	06/13
3698-6SU	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	iAMT	vPro	Win8 Pro64	06/13
3698-6RU	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	iAMT	vPro	Win8 Pro64	06/13
3698-6QU	i5-3317U	4GB	11.6" FHD	128G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	None	No	Win8 Pro64	06/13

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **A depot repair service 3-year limited warranty**

Positioning	Convertible design for four modes - Notebook, Stand, Tablet, and Tablet +											Preloaded operating system <sup>20</sup> - Windows® 8 Pro 64-bit
Processor	<b>Intel® Core™ i5-3317U processor (2 cores, 1.70GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology <b>Intel Core i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology <b>Intel Core i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology <b>Intel Core i7-3667U processor (2 cores, 2.0GHz, 4MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology											Preloaded applications <sup>14</sup> (only some listed) <b>- Traditional Desktop apps</b> • Lenovo® Solution Center • ThinkVantage System Update • Password Manager • Lenovo Cloud Storage by SugarSync • PC Device Stage • Nitro PDF Reader • Microsoft® Office preloaded; purchase a product key to activate • Intel Small Business Advantage <b>- Windows Store apps</b> • Lenovo Settings • Lenovo Experience • Lenovo Support • Lenovo Companion • AT&T® All Access • Norton™ Internet Security 2013 (30 days of virus definitions) • AccuWeather • Evernote® Skitch (MultiTouch models) • Skype™ • Amazon Kindle
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3L / soldered to systemboard, no sockets											
Storage	mSATA Solid State Drive (SSD), via PCIe Mini Card slot											
Graphics	<b>Intel HD Graphics 4000</b> in processor, external digital monitor support via Mini DisplayPort (supports VGA analog monitor via Mini DisplayPort to VGA Monitor Cable 0A36536); supports dual independent display; Max external resolution: 2560x1600 (Mini-DisplayPort)@60Hz											
Display	<b>11.6"</b> (295mm) <b>FHD (1920x1080) TFT color, VibrantView</b> (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution											
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required, pen holder on Tablet * The models without Digitizer Pen can not support pen input function via optional ThinkPad Helix Digitizer Pen (0A33910)											
Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus											
Video capture	1080p video capture											
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array digital microphone, combo audio/microphone jack											
Media capable	Audio formats: MP3, AAC, AAC+, eAAC+, WAV, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid											
Control buttons	Windows button, Power button, volume control button, rotation lock switch, reset switch											
Keyboard Dock	Keyboard Dock, 6-row spill-resistant keyboard, TrackPoint® pointing device, MultiTouch glass touchpad w/ 5 integrated buttons, landscape stand, security keyhole, two USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 28Wh), the 45-watt AC adapter can charge both the Tablet battery and Keyboard Dock battery											
Light sensor	Ambient Light Sensor, Capella CM3218											
G-sensor/ eCompass	3D accelerometer and 3D magnetometer module, STMicroelectronics LSM303DLHC											
Gyroscope	3D gyroscope, STMicroelectronics L3GD20											
Chipset	<b>Mobile Intel QS77 Express Chipset</b>											
Tablet ports	One USB 2.0, one Mini DisplayPort, SIM card slot, Keyboard Dock connector											
Monitor Cable	None											
WLAN <sup>4</sup>	11a/b/g/n <sup>28</sup> , PCIe SFF (Small Form Factor) Mini Card, Intel Centrino® Advanced-N 6205S, 2x2											
WWAN	Wireless WAN, Ericsson® C5621gw Mobile Broadband Module, PCIe TFF (Thin Form Factor) Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS											
Carrier	User selectable, contract required with service provider											
Bluetooth™	Bluetooth 4.0 wireless											
Ethernet	None											
NFC	Near Field Communication, easy for two devices to communicate with each other											
Intel AMT	Some: Intel Active Management Technology (iAMT)											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Dimensions <sup>3</sup>	Tablet only: 11.66" x 7.37" x 0.46"; 296.1mm x 187.3mm x 11.6mm Tablet with Keyboard Dock: 11.66" x 8.90" x 0.80"; 296.1mm x 226mm x 20.4mm											
Weight <sup>2</sup>	Tablet only: from 1.73 lb (0.785kg); Tablet with Keyboard Dock: from 3.54 lb (1.606kg)											
Case color	Black											
Case material	Magnesium + PC/ABS (PolyCarbonate/Acrylonitrile-Butadiene-Styrene)											
Battery - type	Tablet battery: Integrated Lithium Polymer 3-cell battery, 42Whr Keyboard Dock battery: Integrated Lithium Polymer 4-cell battery, 28Whr											45-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>
Battery - life <sup>10</sup>	MobileMark® 2012: Tablet only: up to 5.6 hr; Tablet with Keyboard Dock: up to 8.0 hr											
Limited Warranty <sup>12</sup>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available											For Lenovo service <sup>22</sup> upgrade options, please go to S-TA sheet

See footnotes for more detailed information  
US model(s) announced June 4, 2013

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(PR1-4) June 2013

# ThinkPad Helix (3701)

Type-model	Processor	Memory	Widescreen display	Storage	Digitizer Pen	Camera Front/Rear (MP)	Enhanced Keyboard Dock	WLAN 802.11	PCIe Mini Card WWAN	Carrier	NFC	Global (G) Intel vPro (P)	Preload	Ann Date (mm/yy)
3701-37U	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S <sup>28</sup>	Gobi 4000	AT&T	NFC	vPro	Win8 Pro64	03/13
3701-36U	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro	Win8 Pro64	03/13
3701-35U	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro	Win8 Pro64	03/13
3701-34U	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro	Win8 Pro64	03/13
3701-33U	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	vPro	G Win8 Pro64	03/13
3701-32U	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	NFC	vPro	G Win8 Pro64	03/13
3701-2QU	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	None	vPro	Win8 Pro64	03/13
3701-2PU	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	None	None	None	vPro	Win8 Pro64	03/13
3701-4FU	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	vPro	Win8 Pro64	06/13
3701-4EU	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	vPro	Win8 Pro64	06/13
3701-4DU	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	vPro	Win8 Pro64	06/13
3701-4CU	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	vPro	Win8 Pro64	06/13

• A depot repair service 3-year limited warranty

Positioning	Convertible design for four modes - Notebook, Stand, Tablet, and Tablet +											Preloaded operating system <sup>20</sup> - Windows® 8 Pro 64-bit
Processor	Intel® Core™ i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology Intel Core i7-3667U processor (2 cores, 2.0GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology											Preloaded applications <sup>14</sup> (only some listed)
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3L / soldered to systemboard, no sockets											- Traditional Desktop apps
Storage	mSATA Solid State Drive (SSD), via PCIe Mini Card slot											• Lenovo® Solution Center
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via Mini DisplayPort (supports VGA analog monitor via Mini DisplayPort to VGA Monitor Cable 0A36536); supports dual independent display; Max external resolution: 2560x1600 (Mini-DisplayPort)@60Hz											• ThinkVantage System Update
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution											• Password Manager
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required, pen holder on Tablet * The models without Digitizer Pen can not support pen input function via optional ThinkPad Helix Digitizer Pen (0A33910)											• Lenovo Cloud Storage by SugarSync
Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus											• PC Device Stage
Video capture	1080p video capture											• Nitro PDF Reader
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array digital microphone, combo audio/microphone jack											• Microsoft® Office preloaded; purchase a product key to activate
Media capable	Audio formats: MP3, AAC, AAC+, eAAC+, WAV, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid											• Intel Small Business Advantage
Control buttons	Windows button, Power button, volume control button, rotation lock switch, reset switch											- Windows Store apps
Keyboard Dock	Keyboard Dock, 6-row spill-resistant keyboard, TrackPoint® pointing device, MultiTouch glass touchpad w/ 5 integrated buttons, landscape stand, security keyhole, two USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 28Wh), the 45-watt AC adapter can charge both the Tablet battery and Keyboard Dock battery											• Lenovo Settings
Light sensor	Ambient Light Sensor, Capella CM3218											• Lenovo Experience
G-sensor/ eCompass	3D accelerometer and 3D magnetometer module, STMicroelectronics LSM303DLHC											• Lenovo Support
Gyroscope	3D gyroscope, STMicroelectronics L3GD20											• Lenovo Companion
Chipset	Mobile Intel QS77 Express Chipset											• AT&T® All Access
Tablet ports	One USB 2.0, one Mini DisplayPort, SIM card slot, Keyboard Dock connector											• Norton™ Internet Security 2013 (30 days of virus definitions)
Monitor Cable	None											• AccuWeather
WLAN <sup>4</sup>	11a/b/g/n <sup>28</sup> , PCIe SFF (Small Form Factor) Mini Card, Intel Centrino® Advanced-N 6205S, 2x2											• Evernote® Sketch (MultiTouch models)
WWAN	Some: Wireless WAN, Qualcomm® Gobi™ 4000 chipset, LTE (4G), PCIe TFF (Thin Form Factor) Mini Card, WCDMA/HSPA/HSPA+, GPS Some: Wireless WAN, Ericsson® C5621gw Mobile Broadband Module, PCIe TFF (Thin Form Factor) Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS											• Skype™
Carrier	Some: AT&T® LTE (4G), contract required with service provider Some: User selectable, contract required with service provider											• Amazon Kindle
Bluetooth™	Bluetooth 4.0 wireless											
Ethernet	None											
NFC	Some: Near Field Communication, easy for two devices to communicate with each other											
Intel AMT	Intel Active Management Technology (iAMT)											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Dimensions <sup>3</sup>	Tablet only: 11.66" x 7.37" x 0.46"; 296.1mm x 187.3mm x 11.6mm Tablet with Keyboard Dock: 11.66" x 8.90" x 0.80"; 296.1mm x 226mm x 20.4mm											45-watt AC adapter
Weight <sup>2</sup>	Tablet only: from 1.73 lb (0.785kg); Tablet with Keyboard Dock: from 3.54 lb (1.606kg)											EPEAT™ Gold rating
Case color	Black											ENERGY STAR® 5.0-compliant
Case material	Magnesium + PC/ABS (PolyCarbonate/Acrylonitrile-Butadiene-Styrene)											RoHS-compliant
Battery - type	Tablet battery: Integrated Lithium Polymer 3-cell battery, 42Whr Keyboard Dock battery: Integrated Lithium Polymer 4-cell battery, 28Whr											International Warranty Service <sup>17</sup>
Battery - life <sup>10</sup>	MobileMark® 2012: Tablet only: up to 5.6 hr; Tablet with Keyboard Dock: up to 8.0 hr											24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>
Limited Warranty <sup>12</sup>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available											For Lenovo service <sup>22</sup> upgrade options, please go to S-TA sheet

See footnotes for more detailed information  
US model(s) announced March 26 or June 4, 2013



# ThinkPad Helix (3702) - Onsite

Type-model	Processor	Memory	Widescreen display	Storage	Digitizer Pen	Camera Front/Rear (MP)	Enhanced Keyboard Dock	WLAN 802.11	PCIe Mini Card WWAN	Carrier	NFC	Global (G) Intel vPro	GMP (P)	Preload	Ann Date (mm/yy)
3702-5AU	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S <sup>28</sup>	None	None	NFC	vPro	G P	Win8 Pro64	03/13
3702-46U	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro		Win8 Pro64	03/13
3702-45U	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro		Win8 Pro64	03/13
3702-44U	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro		Win8 Pro64	03/13
3702-43U	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Gobi 4000	AT&T	NFC	vPro		Win8 Pro64	03/13
3702-5UU	i7-3667U	8GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	None	vPro		Win8 Pro64	06/13
3702-5TU	i7-3667U	8GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	None	vPro		Win8 Pro64	06/13
3702-5LU	i5-3427U	4GB	11.6" FHD	256G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	vPro		Win8 Pro64	06/13
3702-5KU	i5-3427U	4GB	11.6" FHD	180G	Pen	2.0/5.0	Dock	Intel 6205S	Ericsson	selectable	NFC	vPro		Win8 Pro64	06/13

• Some models are part of the Global Models Plus program with limited onsite service<sup>24</sup> 3-year limited warranty

Positioning	Convertible design for four modes - Notebook, Stand, Tablet, and Tablet +											Preloaded operating system <sup>20</sup> - Windows® 8 Pro 64-bit		
Processor	Intel® Core™ i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology Intel Core i7-3667U processor (2 cores, 2.0GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology											Preloaded applications <sup>14</sup> (only some listed) - <b>Traditional Desktop apps</b> • Lenovo® Solution Center • ThinkVantage System Update • Password Manager • Lenovo Cloud Storage by SugarSync • PC Device Stage • Nitro PDF Reader • Microsoft® Office preloaded; purchase a product key to activate • Intel Small Business Advantage - <b>Windows Store apps</b> • Lenovo Settings • Lenovo Experience • Lenovo Support • Lenovo Companion • AT&T® All Access • Norton™ Internet Security 2013 (30 days of virus definitions) • AccuWeather • Evernote® Sketch (MultiTouch models) • Skype™ • Amazon Kindle		
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3L / soldered to systemboard, no sockets													
Storage	mSATA Solid State Drive (SSD), via PCIe Mini Card slot													
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via Mini DisplayPort (supports VGA analog monitor via Mini DisplayPort to VGA Monitor Cable 0A36536); supports dual independent display; Max external resolution: 2560x1600 (Mini-DisplayPort)@60Hz													
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution													
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required, pen holder on Tablet * The models without Digitizer Pen can not support pen input function via optional ThinkPad Helix Digitizer Pen (0A33910)													
Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus													
Video capture	1080p video capture													
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array digital microphone, combo audio/microphone jack													
Media capable	Audio formats: MP3, AAC, AAC+, eAAC+, WAV, WMA Video formats: MPEG-4, H.263, H.264, VC-1, WMV9, Xvid													
Control buttons	Windows button, Power button, volume control button, rotation lock switch, reset switch													
Keyboard Dock	Keyboard Dock, 6-row spill-resistant keyboard, TrackPoint® pointing device, MultiTouch glass touchpad w/ 5 integrated buttons, landscape stand, security keyhole, two USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 28Wh), the 45-watt AC adapter can charge both the Tablet battery and Keyboard Dock battery													
Light sensor	Ambient Light Sensor, Capella CM3218													
G-sensor/ eCompass	3D accelerometer and 3D magnetometer module, STMicroelectronics LSM303DLHC													
Gyroscope	3D gyroscope, STMicroelectronics L3GD20													
Chipset	Mobile Intel QS77 Express Chipset													
Tablet ports	One USB 2.0, one Mini DisplayPort, SIM card slot, Keyboard Dock connector													
Monitor Cable	None													
WLAN <sup>4</sup>	11a/b/g/n <sup>28</sup> , PCIe SFF (Small Form Factor) Mini Card, Intel Centrino® Advanced-N 6205S, 2x2													
WWAN	Some: Wireless WAN, Qualcomm® Gobi™ 4000 chipset, LTE (4G), PCIe TFF (Thin Form Factor) Mini Card, WCDMA/HSPA/HSPA+, GPS Some: Wireless WAN, Ericsson® C5621gw Mobile Broadband Module, PCIe TFF (Thin Form Factor) Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS													
Carrier	Some: AT&T® LTE (4G), contract required with service provider Some: User selectable, contract required with service provider													
Bluetooth™	Bluetooth 4.0 wireless													
Ethernet	None													
NFC	Some: Near Field Communication, easy for two devices to communicate with each other													
Intel AMT	Intel Active Management Technology (iAMT)													
Security chip	Trusted Platform Module, TCG 1.2-compliant													
Dimensions <sup>3</sup>	Tablet only: 11.66" x 7.37" x 0.46"; 296.1mm x 187.3mm x 11.6mm Tablet with Keyboard Dock: 11.66" x 8.90" x 0.80"; 296.1mm x 226mm x 20.4mm													
Weight <sup>2</sup>	Tablet only: from 1.73 lb (0.785kg); Tablet with Keyboard Dock: from 3.54 lb (1.606kg)													
Case color	Black													
Case material	Magnesium + PC/ABS (PolyCarbonate/Acrylonitrile-Butadiene-Styrene)													
Battery - type	Tablet battery: Integrated Lithium Polymer 3-cell battery, 42Whr Keyboard Dock battery: Integrated Lithium Polymer 4-cell battery, 28Whr													
Battery - life <sup>10</sup>	MobileMark® 2012: Tablet only: up to 5.6 hr; Tablet with Keyboard Dock: up to 8.0 hr											45-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>		
Limited Warranty <sup>12</sup>	3-years/1-year battery, limited onsite service <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades <sup>22</sup> available											For Lenovo service <sup>22</sup> upgrade options, please go to S-TA sheet		

See footnotes for more detailed information  
US model(s) announced March 26 or June 4, 2013

# ThinkPad Helix Accessories

Product Specifications Reference (PSREF)

## Storage and removable storage

USB 2.0 Portable 500GB Hard Disk	45K1690	ann 05/26/09
USB 3.0 Secure 500GB Hard Drive	0A65619	ann 11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann 11/29/11
Lenovo® Slim USB Portable DVD Burner	0A33988	ann 06/14/11

## ThinkPad Expansion

USB 2.0 Port Replicator with Digital Video	0A33942	ann 03/22/11
ThinkPad USB 3.0 Dock	0A33970	ann 05/15/12
Lenovo Essential Notebook Stand	45J9292	ann 05/12/09

## Keyboard

TrackPoint Cap Collection	73P2698	ann 12/16/03
Ultraslim Plus Wireless Keyboard and Mouse <sup>52</sup>	0A34032	ann 04/05/11
USB Numeric Keypad	33L3225	ann 05/01/00
Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
ThinkPad USB Keyboard with TrackPoint	55Y9003	ann 08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann 02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann 03/24/09

<sup>52</sup> Wireless via 2.4GHz technology using a micro-size USB receiver.

## Mouse

Lenovo Optical Mouse (USB)	06P4069	ann 05/21/03
Lenovo Laser Mouse (USB)	41U3074	ann 01/23/07
ThinkPad USB Laser Mouse	57Y4635	ann 12/15/09
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	ann 08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann 06/04/02
Lenovo Wireless Laser Mouse <sup>52</sup>	0A36188	ann 12/20/11

## Multimedia

ThinkPad In-Ear Headphones with microphone	57Y4488	ann 01/07/10
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## Tablet

ThinkPad Helix Digitizer Pen <sup>73</sup>	0A33910	ann 01/29/13
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<sup>73</sup> The ThinkPad Helix models without Tablet Pen can not support pen input function via *ThinkPad Helix Digitizer Pen (0A33910)*

## Modem

USB 2.0 Lenovo Modem	43R1814	ann 02/26/08
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## Ethernet

Lenovo USB 2.0 Ethernet Adapter	0A36322	ann 08/14/12
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## Security

3M ThinkPad Helix Privacy Filter (4-way)	4Z10A23288	ann 03/26/13
3M ThinkPad Helix Anti-glare Screen Protector	4Z10A23289	ann 03/26/13
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06

## Power Adapters

ThinkPad 45W AC Adapter	0B47030	ann 01/29/13
90W Ultraslim AC/DC Combo Adapter <sup>70</sup>	41R4493	ann 09/22/09

<sup>70</sup> Requires the *Lenovo Slim Power Tip 0B47048*

More info at [www.lenovo.com/support/poweradapters](http://www.lenovo.com/support/poweradapters)

*Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493*

•Lenovo Slim Power Tip	0B47048	ann 08/14/12
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More information at [www.lenovopowertips.com](http://www.lenovopowertips.com)

## Carrying Cases

<i>Up to 12.5" widescreen models:</i>		
ThinkPad 12.5" Ultrabook Topload	0B47416	ann 12/04/12

<i>Up to 14" widescreen models:</i>		
ThinkPad Ultralight Backpack	0B47306	ann 12/11/12
ThinkPad Ultralight Topload	0B47307	ann 12/11/12

<i>Up to 15.6" widescreen models:</i>		
Lenovo Messenger Max	41U5253	ann 05/01/07
Lenovo Performance BackPack	41U5254	ann 05/01/07
ThinkPad Business Topload Case	43R2476	ann 05/13/08
ThinkPad Business Backpack	43R2482	ann 05/13/08
ThinkPad Deluxe Expander Case	43R2478	ann 05/13/08
ThinkPad Executive Leather Case	43R2480	ann 05/13/08
Lenovo Sport Backpack - Red	0A33896	ann 02/28/12
Lenovo Sport Slimcase - Red	0A33897	ann 02/28/12
Lenovo Sport Messenger - Red	0A33898	ann 02/28/12
Lenovo Sport Backpack - Blue	0B47298	ann 08/28/12
Lenovo Sport Slimcase - Blue	0B47300	ann 08/28/12
Lenovo Sport Messenger - Blue	0B47299	ann 08/28/12
Lenovo Sport Backpack - Grey	0B47301	ann 08/28/12
Lenovo Sport Slimcase - Grey	0B47303	ann 08/28/12
Lenovo Sport Messenger - Grey	0B47302	ann 08/28/12

More information at [www.lenovo.com/support/cases](http://www.lenovo.com/support/cases)

## Monitor Accessories<sup>46</sup>

Lenovo Mini-DisplayPort to VGA Monitor Cable	0A36536	ann 05/17/11
Mini-DisplayPort to Single-link DVI Monitor Cable	0B47090	ann 06/26/12
Mini-DisplayPort to DisplayPort Monitor Cable	0B47091	ann 07/24/12
Lenovo USB Soundbar	0A36190	ann 05/01/12
Lenovo Easy Reach Monitor Stand	55Y9258	ann 09/22/09

<sup>46</sup> Compatible on selected Lenovo and ThinkVision monitors.

More information at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

For more information on accessories:

[www.lenovo.com/accessories](http://www.lenovo.com/accessories)

Purchase Lenovo accessories

[www.lenovo.com/support/accessories](http://www.lenovo.com/support/accessories)

Product specifications on Lenovo Support

[www.lenovo.com/accessoriesguide](http://www.lenovo.com/accessoriesguide)

Option Compatibility Matrix (OCM) and accessory brochures

[www.lenovoquickpick.com](http://www.lenovoquickpick.com)

An Options Compatibility Configurator for Lenovo systems



Lenovo® ThinkPad Helix



Lenovo ThinkPad Helix



Lenovo ThinkPad Helix



Lenovo ThinkPad Helix



Lenovo ThinkPad Helix



# ThinkPad Helix (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Convertible with many modes - Tent, Notebook, Stand, Desktop, and Tablet									Case color	Graphite black								
Processor	5th Generation Intel® Core™ M or Core M vPro™ Processor									Case material	PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum								
	Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)								
	5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No	Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector								
	5Y70			1.1 GHz	2.6 GHz				Yes										
	5Y10C			0.8 GHz	2.0 GHz				No										
5Y71	1.2 GHz			2.9 GHz	Yes														
Graphics	Intel HD Graphics 5300 in processor, external digital monitor support via micro HDMI, dual independent display; Max external resolution: 1920x1080 (micro HDMI)@60Hz									Camera	<i>Front camera:</i> 2.0-megapixel, 1080p resolution, fixed focus <i>Rear camera:</i> 5.0-megapixel, 1080p resolution, auto focus HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack								
Chipset	Intel Core M & Intel Core M vPro									Audio support	Windows button, Power button, volume button, rotation lock switch, reset switch								
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to systemboard, no sockets									Keyboard (optional)	Pro: Ultrabook Pro Keyboard, (Battery keyboard)6-row, TrackPoint® pointing device, MultiTouch with 3+2 buttons click pad, security keyhole, one USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 26Wh), 36-watt AC adapter can charge both the Tablet battery and Keyboard battery, pen holder, backlight Non-pro: Ultrabook Keyboard, (Mechanical keyboard) 6-row, touchpad w/ 2 integrated buttons, one USB 2.0, pen holder Folio: Folio Keyboard, thin keyboard, no ports, pen holder								
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution									Security	Power-on password, hard disk password, supervisor password, security keyhole								
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required									Security chip vPro	Optional: Trusted Platform Module, TCG 1.2-compliant Optional: Intel vPro Technology								
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL									Fingerprint reader	Optional: Near Field Communication								
Optical	None									Smart Cover	Optional: Quickshot cover								
Ethernet	None									Tablet battery	Integrated Li-Polymer 2-cell (35Wh)								
WLAN	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card									Keyboard battery	Li-Polymer 4-cell (26Wh)								
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Battery - life	<table border="1"> <tr> <td>Battery configuration</td> <td>2-cell</td> <td>2-cell + 4-cell</td> </tr> <tr> <td>Battery life</td> <td>8 hr</td> <td>12 hr</td> </tr> </table>			Battery configuration	2-cell	2-cell + 4-cell	Battery life	8 hr	12 hr
Battery configuration	2-cell	2-cell + 4-cell																	
Battery life	8 hr	12 hr																	
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card									AC adapter	36-watt AC adapter								
Micro SIM card (optional)	One of the following, configurable by model: • AT&T® or Verizon® LTE (4G), contract required with service provider • User selectable, contract required with service provider									Preload	Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit • Lenovo Support • Lenovo Companion • ThinkVantage System Update • Lenovo Reach • Microsoft Office preloaded; purchase a product key to activate • Norton Internet Security (30 days of virus definitions) Some: Windows 10 Pro 64 • Lenovo Solution Center • Lenovo Companion • Lenovo REACHit • Lenovo SHAREit • Microsoft® Office preloaded; purchase a product key to activate • McAfee LiveSafe (30 days of virus definitions)								
Smart Card Read	Optional: Smart Card reader									Limited warranty	One of the following, configurable by model: • 1-year - depot repair service / service upgrades available • 3-year - depot repair service / service upgrades available								
Monitor Cable	Optional: Micro-HDMI to VGA monitor cable									Mil-Spec test	MIL-STD-810G military certification								
Light sensor	Ambient Light Sensor									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant								
G-sensor/ eCompass	3D accelerometer and 3D magnetometer																		
Gyroscope	3D compass, 3D inclinometer																		
Dimensions	11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm)																		
	11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)																		
	Tablet Weight	WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard													
	795g	822g	795g	822g	855g														
	1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb														
Keyboard weight	Ultrabook Pro Keyboard: 900g/1.98 lb Ultrabook Keyboard: 560g/1.23 lb																		

# ThinkPad Helix (2<sup>nd</sup> Gen) 20CG (TopSeller)

Product Specifications Reference (PSREF)

Model	Processor	vPro	Memory	Display	Pen	Graphics	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart card reader	Top Color	Camera Front/Rear (MP)	Keyboard	Finger print reader	NFC	battery cells (int+ext)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20CG000QUS	5Y70	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CG000LUS	5Y10	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CG000NUS	5Y70	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CG000MUS	5Y10	None	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CG000PUS	5Y70	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CG000KUS	5Y10	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	1-Depot	No	11/14
20CG000SUS	5Y10	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	1-Depot	No	11/14
20CG000RUS	5Y70	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	1-Depot	No	11/14
20CG0036US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0031US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0030US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0037US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	180G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0033US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	180G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0034US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	180G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0035US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	01/15
20CG002YUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	01/15
20CG0032US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	01/15
20CG001YUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	1-Depot	No	03/15
20CG0021US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	1-Depot	No	03/15
20CG004WUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	1-Depot	No	03/15

• For detailed platform specifications, please see [ThinkPad Helix Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ M or Core™ vPro™ Processor									Dimensions	11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm) 11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)				
	Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Tablet Weight	WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard
	5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No	795g	822g	795g	822g	855g	
	5Y70			1.1 GHz	2.6 GHz				Yes	1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb	
	5Y10C			0.8 GHz	2.0 GHz				No						
5Y71	1.2 GHz			2.9 GHz	Yes										
										Case color	Graphite black				
										Case material	PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum				
Graphics	Intel HD Graphics 5300 in processor									Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)				
Chipset	Intel Core M & Intel Core M vPro									Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector				
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to system board, no sockets									Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus				
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution									Audio support	HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack				
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required									Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch				
										Keyboard	Pro: Ultrabook Pro Keyboard, Battery keyboard, pen holder, backlight Non-pro: Ultrabook Keyboard, Mechanical keyboard, pen holder				
										Security chip	Power-on password, hard disk password, supervisor password, security keyhole				
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL									vPro	Optional: Intel vPro Technology				
Optical	None									Fingerprint reader	Fingerprint reader				
Ethernet	None									NFC	Optional: Near Field Communication				
WLAN <sup>4</sup>	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card									Smart Cover	None				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Tablet battery	Integrated Li-Polymer 2-cell (35Wh)				
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card									Battery - life	Up to 8 hrs				
Micro SIM card	None									AC adapter	36-watt AC adapter				
Smart Card Read	Optional: Smart Card reader									Preload	Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit				
Monitor Cable	None									Limited warranty	One of the following, configurable by model: • 1-year - depot repair service / service upgrades available • 3-year - depot repair service / service upgrades available				
Light sensor	Ambient Light Sensor									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant				
G-sensor/	3D accelerometer and 3D magnetometer														
eCompass	3D compass, 3D inclinometer														
Gyroscope	3D gyrometer														

See footnotes for more detailed information

# ThinkPad Helix (2<sup>nd</sup> Gen) 20CG (TopSeller) - II

Product Specifications Reference (PSREF)

Model	Processor	vPro	Memory	Display	Pen	Graphics	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart card reader	Top Color	Camera Front/Rear (MP)	Keyboard	Finger print reader	NFC (int+ext)	battery cells	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20CG005BUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	1-Depot	No	06/15
20CG005AUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CG005CUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	1-Depot	No	06/15
20CG005EUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	06/15
20CG005NUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win8.1 P64	1-Depot	No	06/15
20CG005GUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win8.1 P64	1-Depot	No	06/15
20CG005MUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	06/15
20CG005HUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CG005DUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	1-Depot	No	06/15
20CG005KUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	1-Depot	No	06/15
20CG005FUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CG0059US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CG005JUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CG005LUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	1-Depot	No	06/15

• For detailed platform specifications, please see [ThinkPad Helix Platform Specifications](#) sheet

Processor	5th Generation Intel® Core™ M or Core M vPro™ Processor	Dimensions	11.6" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm) 11.6" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)																																																		
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Clock Speed</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory speed</th> <th>Processor Graphics</th> <th>Intel vPro Technology</th> </tr> </thead> <tbody> <tr> <td>5Y10</td> <td rowspan="4">2</td> <td rowspan="4">4</td> <td>0.8 GHz</td> <td>2.0 GHz</td> <td rowspan="4">4MB</td> <td rowspan="4">LPDDR3-1600</td> <td rowspan="4">Intel HD graphics 5300</td> <td>No</td> </tr> <tr> <td>5Y70</td> <td>1.1 GHz</td> <td>2.6 GHz</td> <td>Yes</td> </tr> <tr> <td>5Y10C</td> <td>0.8 GHz</td> <td>2.0 GHz</td> <td>No</td> </tr> <tr> <td>5Y71</td> <td>1.2 GHz</td> <td>2.9 GHz</td> <td>Yes</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No	5Y70	1.1 GHz	2.6 GHz	Yes	5Y10C	0.8 GHz	2.0 GHz	No	5Y71	1.2 GHz	2.9 GHz	Yes	<table border="1"> <thead> <tr> <th colspan="2">Tablet Weight</th> <th>WiFi/Touch</th> <th>WiFi/Digitizer</th> <th>WWAN/Touch</th> <th>WWAN/Digitizer</th> <th>SmartCard</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td>795g</td> <td>822g</td> <td>795g</td> <td>822g</td> <td>855g</td> </tr> <tr> <td colspan="2"></td> <td>1.75 lb</td> <td>1.81 lb</td> <td>1.75 lb</td> <td>1.81 lb</td> <td>1.88 lb</td> </tr> </tbody> </table>	Tablet Weight		WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard			795g	822g	795g	822g	855g			1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb
Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology																																													
5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No																																													
5Y70			1.1 GHz	2.6 GHz				Yes																																													
5Y10C			0.8 GHz	2.0 GHz				No																																													
5Y71			1.2 GHz	2.9 GHz				Yes																																													
Tablet Weight		WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard																																															
		795g	822g	795g	822g	855g																																															
		1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb																																															
Graphics	Intel HD Graphics 5300 in processor	Case color	Graphite black																																																		
Chipset	Intel Core M & Intel Core M vPro	Case material	PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum																																																		
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to system board, no sockets	Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)																																																		
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution	Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector																																																		
Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required	Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus																																																		
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL	Audio support	HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack																																																		
Optical	None	Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch																																																		
Ethernet	None	Keyboard	Pro: Ultrabook Pro Keyboard, Battery keyboard, pen holder, backlight																																																		
WLAN <sup>4</sup>	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card	Keyboard (optional)	Non-pro: Ultrabook Keyboard, Mechanical keyboard, pen holder																																																		
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Folio:	Folio Keyboard, thin keyboard, pen holder																																																		
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card	Security	Power-on password, hard disk password, supervisor password, security keyhole																																																		
Micro SIM card	None	Security chip	None																																																		
Smart Card Read	Optional: Smart Card reader	vPro	Optional: Intel vPro Technology																																																		
Monitor Cable	None	Fingerprint reader	Fingerprint reader																																																		
Light sensor	Ambient Light Sensor	NFC	Optional: Near Field Communication																																																		
G-sensor/	3D accelerometer and 3D magnetometer	Smart Cover	None																																																		
eCompass	3D compass, 3D inclinometer	Tablet battery	Integrated Li-Polymer 2-cell (35Wh)																																																		
Gyroscope	3D gyrometer	Battery - life	Up to 8 hrs																																																		
		AC adapter	36-watt AC adapter																																																		
		Preload	Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit																																																		
		Limited warranty	One of the following, configurable by model: • 1-year - depot repair service / service upgrades available • 3-year - depot repair service / service upgrades available																																																		
		Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant																																																		

See footnotes for more detailed information



# ThinkPad Helix (2<sup>nd</sup> Gen) 20CH

Product Specifications Reference (PSREF)

Model	Processor	vPro	Memory	Display	Pen	Graphics	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart card reader	Top Color	Camera Front/ Rear (MP)	Keyboard	Finger print reader	NFC	battery cells (int+ext)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20CH000AUS	5Y10	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CH000CUS	5Y70	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CH000DUS	5Y70	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CH000BUS	5Y70	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	No	11/14
20CH0026US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	01/15
20CH0023US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	Yes	01/15
20CH0022US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	Yes	01/15
20CH0021US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	180G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win8.1 P64	3-Depot	Yes	01/15
20CH0024US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Non-pro	Finger	None	2+0	Win8.1 P64	3-Depot	Yes	01/15
20CH0025US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	01/15
20CH0048US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	06/15
20CH0045US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CH0046US	5Y10c	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CH0044US	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win8.1 P64	3-Depot	No	06/15
20CH0047US	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win8.1 P64	3-Depot	No	06/15

• For detailed platform specifications, please see [ThinkPad Helix Platform Specifications](#) sheet

Processor	5th Generation Intel® Core™ M or Core M vPro™ Processor	Dimensions	11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm) 11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)																																													
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5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No																																								
5Y70			1.1 GHz	2.6 GHz				Yes																																								
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1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb																																												
Graphics	Intel HD Graphics 5300 in processor	Case color	Graphite black																																													
Chipset	Intel Core M & Intel Core M vPro	Case material	PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum																																													
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to system board, no sockets	Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)																																													
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution	Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector																																													
Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required	Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus																																													
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL	Audio support	HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack																																													
Optical	None	Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch																																													
Ethernet	None	Keyboard	Pro: Ultrabook Pro Keyboard, Battery keyboard, pen holder, backlight																																													
WLAN <sup>2</sup>	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card	Keyboard (optional)	Non-pro: Ultrabook Keyboard, Mechanical keyboard, pen holder																																													
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Folio:	Folio Keyboard, thin keyboard, pen holder																																													
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card	Security	Power-on password, hard disk password, supervisor password, security keyhole																																													
Micro SIM card	None	Security chip	None																																													
Smart Card Read	Optional: Smart Card reader	vPro	Optional: Intel vPro Technology																																													
Monitor Cable	None	Fingerprint reader	Fingerprint reader																																													
Light sensor	Ambient Light Sensor	NFC	Optional: Near Field Communication																																													
G-sensor/ eCompass	3D accelerometer and 3D magnetometer	Smart Cover	None																																													
Gyroscope	3D compass, 3D inclinometer	Tablet battery	Integrated Li-Polymer 2-cell (35Wh)																																													
	3D gyrometer	Battery - life	Up to 8 hrs																																													
		AC adapter	36-watt AC adapter																																													
		Preload	Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit																																													
		Limited warranty	One of the following, configurable by model: • 1-year - depot repair service / service upgrades available • 3-year - depot repair service / service upgrades available																																													
		Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant																																													

See footnotes for more detailed information

# ThinkPad Helix (2<sup>nd</sup> Gen) 20CG (TopSeller) - Windows 10

Product Specifications Reference (PSREF)

Model	Processor	vPro	Memory	Display	Pen	Graphics	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart card reader	Top Color	Camera Front/Rear (MP)	Keyboard	Finger print reader	NFC	battery cells (int+ext)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20CG006RUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win10 P64	1-Depot	No	07/15
20CG006SUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win10 P64	1-Depot	No	07/15
20CG006LUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Folio	Finger	NFC	2+0	Win10 P64	1-Depot	No	07/15
20CG006TUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win10 P64	1-Depot	No	07/15
20CG006NUS	5Y10C	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win10 P64	1-Depot	No	07/15
20CG006PUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win10 P64	1-Depot	No	07/15
20CG006QUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win10 P64	1-Depot	No	07/15
20CG006MUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win10 P64	1-Depot	No	07/15

• For detailed platform specifications, please see [ThinkPad Helix Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ M or Core M vPro™ Processor								Dimensions	11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm) 11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)					
	Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Tablet Weight	WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard
	5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No	795g	822g	795g	822g	855g	
	5Y70			1.1 GHz	2.6 GHz				Yes	1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb	
	5Y10C			0.8 GHz	2.0 GHz				No	Case color: Graphite black					
5Y71	1.2 GHz			2.9 GHz	Yes				Case material: PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum						
Graphics: Intel HD Graphics 5300 in processor									Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)					
Chipset Memory	Intel Core M & Intel Core M vPro 8GB max / PC3-12800 1600MHz LPDDR3, soldered to system board, no sockets								Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector					
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution								Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus					
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required								Audio support	HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack					
Storage Optical	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL None								Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch					
Ethernet	None								Keyboard	Pro: Ultrabook Pro Keyboard, Battery keyboard, pen holder, backlight Non-pro: Ultrabook Keyboard, Mechanical keyboard, pen holder					
WLAN <sup>2</sup>	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card								Keyboard (optional)	Folio: Folio Keyboard, thin keyboard, no ports, pen holder					
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Security	Power-on password, hard disk password, supervisor password, security keyhole					
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card								Security chip	None					
Micro SIM card	None								vPro	Optional: Intel vPro Technology					
Smart Card Read	Optional: Smart Card reader								Fingerprint reader	Fingerprint reader					
Monitor Cable	None								NFC	Optional: Near Field Communication					
Light sensor	Ambient Light Sensor								Smart Cover	None					
G-sensor/ eCompass	3D accelerometer and 3D magnetometer								Tablet battery	Integrated Li-Polymer 2-cell (35Wh)					
Gyroscope	3D compass, 3D inclinometer								Battery - life	Up to 8 hrs					
	3D gyrometer								AC adapter	36-watt AC adapter					
									Preload	Windows 10 Pro 64					
									Limited warranty	One of the following, configurable by model: • 1-year - depot repair service / service upgrades available • 3-year - depot repair service / service upgrades available					
									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant					

See footnotes for more detailed information

# ThinkPad Helix (2<sup>nd</sup> Gen) 20CH (Windows 10)

Product Specifications Reference (PSREF)

Model	Processor	vPro	Memory	Display	Pen	Graphics	Storage	WLAN & Bluetooth	WWAN	SIM card	Smart card reader	Top Color	Camera Front/ Rear (MP)	Keyboard	Finger print reader	NFC	battery cells (int+ext)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20CH005GUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	EM7345	None	None	Black	2.0/5.0	Pro	Finger	NFC	2+0	Win10 P64	3-Depot	No	07/15
20CH005JUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	180G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win10 P64	3-Depot	Yes	07/15
20CH005KUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win10 P64	3-Depot	Yes	07/15
20CH005MUS	5Y10c	None	4GB	11.6" FHD	Digitizer	HD 5300	128G SSD	7265 ac+BT	None	None	None	Black	2.0/5.0	Folio	Finger	None	2+0	Win10 P64	3-Depot	No	07/15
20CH005HUS	5Y71	vPro	4GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win10 P64	3-Depot	Yes	07/15
20CH005LUS	5Y71	vPro	8GB	11.6" FHD	Digitizer	HD 5300	256G OPAL	7265 ac+BT	None	None	None	Black	2.0/5.0	Pro	Finger	None	2+0	Win10 P64	3-Depot	No	07/15

• For detailed platform specifications, please see [ThinkPad Helix Platform Specifications](#) sheet

Processor	5th Generation Intel® Core™ M or Core M vPro™ Processor	Dimensions	11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm) 11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)																																													
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5Y70			1.1 GHz	2.6 GHz				Yes																																								
5Y10C			0.8 GHz	2.0 GHz				No																																								
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Graphics	Intel HD Graphics 5300 in processor	Case color	Graphite black																																													
Chipset	Intel Core M & Intel Core M vPro	Case material	PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum																																													
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to system board, no sockets	Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)																																													
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution	Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector																																													
Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required	Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus																																													
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL	Audio support	HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack																																													
Optical	None	Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch																																													
Ethernet	None	Keyboard	Pro: Ultrabook Pro Keyboard, Battery keyboard, pen holder, backlight																																													
WLAN <sup>2</sup>	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card	Keyboard (optional)	Non-pro: Ultrabook Keyboard, Mechanical keyboard, pen holder																																													
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Folio:	Folio Keyboard, thin keyboard, pen holder																																													
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card	Security	Power-on password, hard disk password, supervisor password, security keyhole																																													
Micro SIM card	None	Security chip	None																																													
Smart Card Read	Optional: Smart Card reader	vPro	Optional: Intel vPro Technology																																													
Monitor Cable	None	Fingerprint reader	Fingerprint reader																																													
Light sensor	Ambient Light Sensor	NFC	Optional: Near Field Communication																																													
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		AC adapter	36-watt AC adapter																																													
		Preload	Windows 10 Pro 64																																													
		Limited warranty	One of the following, configurable by model: • 1-year - depot repair service / service upgrades available • 3-year - depot repair service / service upgrades available																																													
		Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant																																													

See footnotes for more detailed information

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Lenovo® ThinkPad Yoga 11e



Lenovo ThinkPad Yoga 11e



Lenovo ThinkPad Yoga 11e



Lenovo ThinkPad Yoga 11e



Lenovo ThinkPad Yoga 11e



# ThinkPad Yoga 11e 20D9 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Widescreen display	Multi-touch	Camera	Top color	Storage	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	battery cells	Power Adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20D9000RUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 64	1-Depot	No	06/14
20D9000XUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 64	1-Depot	No	06/14
20D9000UUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 a/b/g/n	None	None	None	4	45W	Win8.1 64	1-Depot	No	06/14
20D9000WUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20D9000VUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20D9000QUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20D9001AUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win8.1 P64	1-Depot	No	12/14
20D90019US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win8.1 P64	1-Depot	No	12/14
20D90018US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 ac	None	None	None	4	45W	Win8.1 P64	1-Depot	No	12/14
20D9001FUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win8.1 64	1-Depot	No	02/15
20D9001GUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win8.1 64	1-Depot	No	02/15
20D9001JUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 ac	None	None	None	4	45W	Win8.1 64	1-Depot	No	02/15

Processor	Intel® Celeron® processor N2930 or N2940	Chipset	Intel SoC (System on Chip) platform																											
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Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology																						
N2930	4	4	1.83 GHz	2.16 GHz	2MB	DDR3L-1333	Intel HD graphics	No																						
N2940	4	4	1.83 GHz	2.25 GHz	2MB	DDR3L-1333	Intel HD graphics	No																						
		Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																											
		Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack																											
		Control buttons	Power button, volume control button																											
		WLAN	<i>TP 11b/g/n:</i> ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card <i>7260 a/b/g/n:</i> Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card <i>7260 ac:</i> Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card																											
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors w/ lower memory controller	WWAN	None																											
		Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																											
Storage	<i>Some:</i> SSD / SATA 3.0Gb/s, 2.5" wide, 7mm high, <i>Some:</i> HDD / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™	Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection																											
		NFC	None																											
Widescreen display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS	Security	Power-on password, hard disk password, supervisor password, security keyhole																											
MultiTouch	Yes, support 10 fingers	Security chip	None																											
Hinge	Yoga hinge, 360 degree	vPro & iAMT	None																											
Camera (optional)	HD720p resolution, low light sensitive	Fingerprint reader	None																											
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; <i>Max resolution:</i> 1920x1080 (HDMI) @60Hz	Limited warranty	1-year - depot repair service / service upgrades available <i>For Lenovo service upgrade options, please go to P_C-AQP sheet</i>																											
Dimensions	<i>11.6W" (WxDxH):</i> 11.81" x 8.50" x 0.90" (300mm x 216mm x 22.9mm)	Preload	<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit																											
Weight	From 3.5 lb (1.59kg)		<ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo Support - Metro</li> <li>Lenovo QuickCast - Metro</li> <li>Lenovo Companion - Metro</li> <li>ThinkVantage System Update</li> <li>Lenovo Reach</li> <li>AccuWeather</li> <li>Amazon Kindle</li> <li>Nitro Pro</li> <li>Evernote</li> <li>Skype</li> <li>Rara Streaming</li> <li>Norton Studio</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Norton Internet Security (30 days of virus definitions)</li> </ul>																											
Case color	<i>Display cover:</i> Graphite black or silver <i>Bottom:</i> Graphite black																													
Case material	<i>Display cover:</i> PolyCarbonate/Glass-Fiber Reinforced Plastic; <i>Bottom:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																													
Battery - type	Integrated Lithium Ion 4-cell (35Wh)																													
Battery - life	<table border="1"> <thead> <tr> <th>Models</th> <th>Windows 7</th> <th>Windows 8</th> </tr> </thead> <tbody> <tr> <td>MobileMark® 2007</td> <td>-</td> <td>9.0 hr</td> </tr> <tr> <td>MobileMark 2012</td> <td>-</td> <td>6.5 hr</td> </tr> </tbody> </table>	Models	Windows 7	Windows 8	MobileMark® 2007	-	9.0 hr	MobileMark 2012	-	6.5 hr																				
Models	Windows 7	Windows 8																												
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MobileMark 2012	-	6.5 hr																												
AC adapter	45-watt AC adapter																													
Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/mic jack																													
Keyboard	ThinkPad Windows keyboard, 6-row, multimedia Fn keys																													
Touchpad	Buttonless touchpad below keyboard, multi-touch																													
ThinkLight™	None	Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant																											

# ThinkPad Yoga 11e 20DA

Type-model	Processor	Memory	Graphics	Widescreen display	Multi-touch	Camera	Top color	Storage	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	battery cells	Power Adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DA001GUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20DA001FUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20DA001JUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20DA001KUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20DA001HUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20DA001LUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 a/b/g/n	None	None	None	4	45W	Win8.1 P64	1-Depot	No	06/14
20DA0022US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win8.1 P64	1-Depot	No	12/14
20DA0021US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win8.1 P64	1-Depot	No	12/14
20DA0023US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	320G 7200	7260 ac	None	None	None	4	45W	Win8.1 P64	1-Depot	No	12/14

Processor	Intel® Celeron® processor N2930 or N2940	Chipset	Intel SoC (System on Chip) platform																											
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Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology																						
N2930	4	4	1.83 GHz	2.16 GHz	2MB	DDR3L-1333	Intel HD graphics	No																						
N2940	4	4	1.83 GHz	2.25 GHz	2MB	DDR3L-1333	Intel HD graphics	No																						
		Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																											
		Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack																											
		Control buttons	Power button, volume control button																											
		WLAN	<i>TP 11b/g/n:</i> ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card <i>7260 a/b/g/n:</i> Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card <i>7260 ac:</i> Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card																											
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors w/ lower memory controller	WWAN	None																											
		Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																											
Storage	<i>Some:</i> SSD / SATA 3.0Gb/s, 2.5" wide, 7mm high, <i>Some:</i> HDD / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™	Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection																											
		NFC	None																											
Widescreen display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS	Security chip	Power-on password, hard disk password, supervisor password, security keyhole																											
MultiTouch	Yes, support 10 fingers	vPro & iAMT	None																											
Hinge	Yoga hinge, 360 degree	Fingerprint reader	None																											
Camera (optional)	HD720p resolution, low light sensitive	Limited warranty	1-year - depot repair service / service upgrades available <i>For Lenovo service upgrade options, please go to P_C-AQP sheet</i>																											
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; <i>Max resolution:</i> 1920x1080 (HDMI)@60Hz	Preload	<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <ul style="list-style-type: none"> <li>• Lenovo Solution Center</li> <li>• Lenovo Support - Metro</li> <li>• Lenovo QuickCast - Metro</li> <li>• Lenovo Companion - Metro</li> <li>• ThinkVantage System Update</li> <li>• Lenovo Reach</li> <li>• AccuWeather</li> <li>• Amazon Kindle</li> <li>• Nitro Pro</li> <li>• Evernote</li> <li>• Skype</li> <li>• Rara Streaming</li> <li>• Norton Studio</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Norton Internet Security (30 days of virus definitions)</li> </ul>																											
Dimensions	<i>11.6W" (WxDxH):</i> 11.81" x 8.50" x 0.90" (300mm x 216mm x 22.9mm)																													
Weight	From 3.5 lb (1.59kg)																													
Case color	<i>Display cover:</i> Graphite black or silver <i>Bottom:</i> Graphite black																													
Case material	<i>Display cover:</i> PolyCarbonate/Glass-Fiber Reinforced Plastic; <i>Bottom:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																													
Battery - type	Integrated Lithium Ion 4-cell (35Wh)																													
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Models	Windows 7	Windows 8																												
MobileMark® 2007	-	9.0 hr																												
MobileMark 2012	-	6.5 hr																												
AC adapter	45-watt AC adapter																													
Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/mic jack																													
Keyboard	ThinkPad Windows keyboard, 6-row, multimedia Fn keys																													
Touchpad	Buttonless touchpad below keyboard, multi-touch																													
ThinkLight™	None	Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant																											



# ThinkPad Yoga 11e 20D9 (TopSeller) - Windows 10

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Widescreen display	Multi-touch	Camera	Top color	Storage	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	battery cells	Power Adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20D90027US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20D90028US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20D90026US	N2940	8GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20D90029US	N2940	8GB	Intel HD	11.6" HD	Multi	720p	Black	64G SSD	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20D90025US	N2940	8GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15

Processor	Intel® Celeron® processor N2930 or N2940									Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/mic jack								
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Keyboard	ThinkPad Windows keyboard, 6-row, multimedia Fn keys								
	N2930	4	4	1.83 GHz	2.16 GHz	2MB	DDR3L-1333	Intel HD graphics	No	Touchpad	Buttonless touchpad below keyboard, multi-touch								
	N2940	4	4	1.83 GHz	2.25 GHz	2MB	DDR3L-1333	Intel HD graphics	No	ThinkLight™	None								
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket									Chipset	Intel SoC (System on Chip) platform								
	* System automatically clocks down for processors w/ lower memory controller									Smart Card Read	None								
Storage	Some: SSD / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™									Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)								
Widescreen display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack								
MultiTouch	Yes, support 10 fingers									Control buttons	Power button, volume control button								
Hinge	Yoga hinge, 360 degree									WLAN	TP 11b/g/n: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card								
Camera (optional)	HD720p resolution, low light sensitive									7260 a/b/g/n:	Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card								
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz									7260 ac:	Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card								
										WWAN	None								
Dimensions	11.6W" (WxDxH): 11.81" x 8.50" x 0.90" (300mm x 216mm x 22.9mm)									Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Weight	From 3.5 lb (1.59kg)									Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection								
Case color	Display cover: Graphite black or silver									NFC	None								
Case material	Bottom: Graphite black									Security	Power-on password, hard disk password, supervisor password, security keyhole								
	Display cover: PolyCarbonate/Glass-Fiber Reinforced Plastic;									Security chip	None								
Battery - type	Bottom: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic									vPro & iAMT	None								
	Integrated Lithium Ion 4-cell (35Wh)									Fingerprint reader	None								
Battery - life	Models									Limited warranty	1-year - depot repair service / service upgrades available								
	Windows 7									For Lenovo service upgrade options, please go to P_C-AQP sheet									
	Windows 8									Preload	Some: Windows 10 Pro 64								
AC adapter	MobileMark® 2007									Some: Windows 10 Home 64									
	-									Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant								
	MobileMark 2012										-								

# ThinkPad Yoga 11e 20DA (Windows 10)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Widescreen display	Multi-touch	Camera	Top color	Storage	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	battery cells	Power Adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DA0035US	N2940	8GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20DA003DUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20DA0031US	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	128G SSD	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20DA0036US	N2940	8GB	Intel HD	11.6" HD	Multi	720p	Black	500G 7200	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15
20DA003EUS	N2940	8GB	Intel HD	11.6" HD	Multi	720p	Black	64G SSD	7260 ac	None	None	None	4	45W	Win10 P64	1-Depot	No	09/15

Processor	Intel® Celeron® processor N2930 or N2940									Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/mic jack								
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Keyboard	ThinkPad Windows keyboard, 6-row, multimedia Fn keys								
	N2930	4	4	1.83 GHz	2.16 GHz	2MB	DDR3L-1333	Intel HD graphics	No	Touchpad	Buttonless touchpad below keyboard, multi-touch								
	N2940	4	4	1.83 GHz	2.25 GHz	2MB	DDR3L-1333	Intel HD graphics	No	ThinkLight™	None								
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors w/ lower memory controller									Chipset	Intel SoC (System on Chip) platform								
										Smart Card Read	None								
Storage	Some: SSD / SATA 3.0Gb/s, 2.5" wide, 7mm high, Some: HDD / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™									Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)								
Widescreen display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack								
MultiTouch	Yes, support 10 fingers									Control buttons	Power button, volume control button								
Hinge	Yoga hinge, 360 degree									WLAN	TP 11b/g/n: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card 7260 a/b/g/n: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 ac: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card								
Camera (optional)	HD720p resolution, low light sensitive									WWAN	None								
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz									Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Dimensions	11.6W" (WxDxH): 11.81" x 8.50" x 0.90" (300mm x 216mm x 22.9mm)									Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection								
Weight	From 3.5 lb (1.59kg)									NFC	None								
Case color	Display cover: Graphite black or silver Bottom: Graphite black									Security	Power-on password, hard disk password, supervisor password, security keyhole								
Case material	Display cover: PolyCarbonate/Glass-Fiber Reinforced Plastic; Bottom: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic									Security chip	None								
Battery - type	Integrated Lithium Ion 4-cell (35Wh)									vPro & iAMT	None								
Battery - life										Fingerprint reader	None								
	Models		Windows 7			Windows 8			Limited warranty	1-year - depot repair service / service upgrades available For Lenovo service upgrade options, please go to P_C-AQP sheet									
	MobileMark® 2007		-			9.0 hr			Preload	Some: Windows 10 Pro 64 Some: Windows 10 Home 64									
	MobileMark 2012		-			6.5 hr			Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant									
AC adapter	45-watt AC adapter																		



Lenovo® ThinkPad Yoga 11e Chromebook



Lenovo ThinkPad Yoga 11e Chromebook



Lenovo ThinkPad Yoga 11e Chromebook

# ThinkPad Yoga 11e Chromebook 20DU (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Widescreen display	Multi-touch	Camera	Top color	Storage	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	battery cells	Power Adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DU0008US	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	16GB eMMC	7260 ac	None	None	None	4	45W	Chrome	1-Depot	No	06/14
20DU000AUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	16GB eMMC	7260 ac	None	None	None	4	45W	Chrome	1-Depot	No	12/14
20DU000EUS	N2940	2GB	Intel HD	11.6" HD	Multi	720p	Black	16GB eMMC	7260 ac	None	None	None	4	45W	Chrome	1-Depot	No	04/15

Processor	Intel® Celeron® processor N2930 or N2940									Audio support	HD Audio, Maxim MAX98090AETL+T codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/mic jack							
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Keyboard Touchpad ThinkLight™	ThinkPad Chrome keyboard, 6-row, multimedia Fn keys Buttonless touchpad below keyboard, multi-touch None							
	N2930	4	4	1.83 GHz	2.16 GHz	2MB	DDR3L-1333	Intel HD graphics	No	Chipset Smart Card Read	Intel SoC (System on Chip) platform None							
	N2940	4	4	1.83 GHz	2.25 GHz	2MB	DDR3L-1333	Intel HD graphics	No	Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)							
Memory	2GB or 4GB / DDR3L-1600MHz / soldered to systemboard, no sockets * System automatically clocks down for processors w/ lower memory controller									Ports	One USB 3.0, one USB 2.0, HDMI, combo audio/mic jack							
Storage	16GB eMMC (embedded Multi Media Card) flash memory on board									Control buttons	Power button, volume control button							
Widescreen display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									WLAN	TP 11a/b/g/n: ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT, M.2 Card 7260 ac: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card							
MultiTouch	Yes, support 10 fingers									WWAN	None							
Hinge	Yoga hinge, 360 degree									Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Camera	HD720p resolution, low light sensitive									Ethernet	None							
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz									NFC	None							
Dimensions	11.6W" (WxDxH): 11.81" x 8.50" x 0.90" (300mm x 216mm x 22.9mm)									Security	Security keyhole							
Weight	From 3.31 lb (1.50kg)									Security chip vPro & iAMT	Trusted Platform Module, TCG 1.2-compliant None							
Case color	Display cover: Graphite black or silver Bottom: Graphite black									Fingerprint reader	None							
Case material	Display cover: PolyCarbonate/Glass-Fiber Reinforced Plastic; Bottom: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic									Limited warranty	1-year - depot repair service / service upgrades available For Lenovo service upgrade options, please go to P-C-AQP sheet							
Battery - type	Integrated Lithium Ion 4-cell (35Wh)									Preload	Google Chrome OS							
Battery - life	Up to 8 hours									Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant							
AC adapter	45-watt AC adapter																	



# ThinkPad Yoga 11e Chromebook 20DB

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Widescreen display	Multi-touch	Camera	Top color	Storage	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	battery cells	Power Adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DB000CUS	N2930	4GB	Intel HD	11.6" HD	Multi	720p	Black	16GB eMMC	7260 ac	None	None	None	4	45W	Chrome	1-Depot	No	06/14
20DB000GUS	N2940	4GB	Intel HD	11.6" HD	Multi	720p	Black	16GB eMMC	7260 ac	None	None	None	4	45W	Chrome	1-Depot	No	12/14
20DB000JUS	N2940	2GB	Intel HD	11.6" HD	Multi	720p	Black	16GB eMMC	7260 ac	None	None	None	4	45W	Chrome	1-Depot	No	04/15

Processor	Intel® Celeron® processor N2930 or N2940									Audio support	HD Audio, Maxim MAX98090AETL+T codec / stereo speakers, 2W x 2 / monaural digital microphone, combo audio/mic jack							
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Keyboard	ThinkPad Chrome keyboard, 6-row, multimedia Fn keys							
	N2930	4	4	1.83 GHz	2.16 GHz	2MB	DDR3L-1333	Intel HD graphics	No	Touchpad	Buttonless touchpad below keyboard, multi-touch							
	N2940	4	4	1.83 GHz	2.25 GHz	2MB	DDR3L-1333	Intel HD graphics	No	ThinkLight™	None							
										Chipset	Intel SoC (System on Chip) platform							
Memory	2GB or 4GB / DDR3L-1600MHz / soldered to systemboard, no sockets * System automatically clocks down for processors w/ lower memory controller									Smart Card Read	None							
										Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)							
Storage	16GB eMMC (embedded Multi Media Card) flash memory on board									Ports	One USB 3.0, one USB 2.0, HDMI, combo audio/mic jack							
Widescreen display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									Control buttons	Power button, volume control button							
MultiTouch	Yes, support 10 fingers									WLAN	TP 11a/b/g/n: ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT, M.2 Card							
Hinge	Yoga hinge, 360 degree									WWAN	7260 ac: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card							
Camera	HD720p resolution, low light sensitive									Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz									Ethernet	None							
										NFC	None							
Dimensions	11.6W" (WxDxH): 11.81" x 8.50" x 0.90" (300mm x 216mm x 22.9mm)									Security	Security keyhole							
Weight	From 3.31 lb (1.50kg)									Security chip	Trusted Platform Module, TCG 1.2-compliant							
Case color	Display cover: Graphite black or silver Bottom: Graphite black									vPro & iAMT	None							
Case material	Display cover: PolyCarbonate/Glass-Fiber Reinforced Plastic; Bottom: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic									Fingerprint reader	None							
Battery - type	Integrated Lithium Ion 4-cell (35Wh)									Limited warranty	1-year - depot repair service / service upgrades available For Lenovo service upgrade options, please go to P-C-AQP sheet							
Battery - life	Up to 8 hours									Preload	Google Chrome OS							
AC adapter	45-watt AC adapter									Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant							



Lenovo® ThinkPad Yoga 11e (2<sup>nd</sup> Gen)



Lenovo ThinkPad Yoga 11e (2<sup>nd</sup> Gen)



Lenovo ThinkPad Yoga 11e (2<sup>nd</sup> Gen)



Lenovo ThinkPad Yoga 11e (2<sup>nd</sup> Gen)



Lenovo ThinkPad Yoga 11e (2<sup>nd</sup> Gen)

# ThinkPad Yoga 11e (2<sup>nd</sup> Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Core™ M processor M-5Y10c									Camera Audio support	HD720p resolution, low light sensitive HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / single digital microphone, combo audio/mic jack																																																																														
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology		Keyboard Touchpad	ThinkPad Windows keyboard, 6-row, multimedia Fn keys Two buttons click pad below keyboard, multi-touch																																																																													
5Y10c										2										4										0.80 GHz										2.00 GHz										4MB										DDR3L-1600										Intel HD graphics										No									
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; <i>Max resolution: 1920x1080 (HDMI) @60Hz</i>									Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None																																																																														
Chipset Memory	Intel SoC (System on Chip) platform 8GB max / PC3-12800 1600MHz DDR3L, non-parity, soldered to systemboard										Battery - type Max battery life	Integrated Li-Polymer 4-cell (35Wh)																																																																													
Display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									AC adapter		45-watt AC adapter																																																																													
MultiTouch Hinge Convertible mode Pen	Yes, support 10 fingers Yoga hinge, 360 degree Laptop, tent, stand and tablet <i>Some: Wacom® Active pen, batteries required</i>										Preload	<table border="1"> <thead> <tr> <th>Models</th> <th>Windows 7</th> <th>Windows 8</th> </tr> </thead> <tbody> <tr> <td>MobileMark® 2007</td> <td>-</td> <td>-</td> </tr> <tr> <td>MobileMark 2012</td> <td>-</td> <td>8.1 hr</td> </tr> </tbody> </table>			Models	Windows 7	Windows 8	MobileMark® 2007	-	-	MobileMark 2012	-	8.1 hr																																																																		
Models	Windows 7	Windows 8																																																																																							
MobileMark® 2007	-	-																																																																																							
MobileMark 2012	-	8.1 hr																																																																																							
Storage	<i>Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™</i>									Optical	None																																																																														
Ethernet Bluetooth™	Realtek RTL8111GUS-CG Gigabit Network Connection Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										WLAN	TP 11b/g/n: ThinkPad 11b/g/n, 1x1, Wi-Fi + BT, M.2 Card 7265 ac: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 Card																																																																													
WWAN	None									Smart Card Read		None																																																																													
Dimensions Weight Case color	11.6W" (WxDxH): 11.80" x 8.50" x 0.90" (300mm x 216mm x 25.3mm) From 3.5 lb (1.59kg) <i>Display cover:</i> Graphite black or silver <i>Bottom:</i> Graphite black										Limited warranty	1-year - depot repair service / service upgrades available																																																																													
Case material	<i>Display cover:</i> PolyCarbonate/Glass-Fiber Reinforced Plastic <i>Bottom:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic									Environment		EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant																																																																													
Media reader Ports Control buttons	4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack Power button, volume control button																																																																																								

# ThinkPad Yoga 11e (2<sup>nd</sup> Gen) 20E5 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Display	Multi-touch	Pen	Storage	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	TPM	Finger print reader	Battery cells (wh)	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann Date (m/y)
20E5000CUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	No	04/15
20E5000FUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	No	04/15
20E5000JUS	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	192G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	No	05/15
20E5000DUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	192G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	No	05/15
20E5000GUS	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	120G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	No	06/15

Processor	Intel® Core™ M processor M-5Y10c									Camera	HD720p resolution, low light sensitive									
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology		Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / single digital microphone, combo audio/mic jack								
	5Y10c	2	4	0.80 GHz	2.00 GHz	4MB	DDR3L-1600	Intel HD graphics	No	Keyboard	ThinkPad Windows keyboard, 6-row, multimedia Fn keys									
										Touchpad	Two buttons click pad below keyboard, multi-touch									
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; <i>Max resolution: 1920x1080 (HDMI) @60Hz</i>									Security	Power-on password, hard disk password, supervisor password, security keyhole									
										Security chip	Trusted Platform Module, TCG 1.2-compliant									
										Fingerprint reader	None									
Chipset	Intel SoC (System on Chip) platform									Battery - type	Integrated Li-Polymer 4-cell (35Wh)									
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, soldered to systemboard										Max battery life	<i>Models</i>	<i>Windows 7</i>	<i>Windows 8</i>						
											<i>MobileMark® 2007</i>	-	-							
											<i>MobileMark 2012</i>	-	8.1 hr							
Display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									AC adapter	45-watt AC adapter									
MultiTouch	Yes, support 10 fingers									Preload	<i>Some: Windows 8.1 64-bit</i>									
Hinge	Yoga hinge, 360 degree										<i>Some: Windows 8.1 Pro 64-bit</i>									
Convertible mode	Laptop, tent, stand and tablet									<ul style="list-style-type: none"> <li>• Lenovo Solution Center</li> <li>• Lenovo Support - Metro</li> <li>• Lenovo Companion - Metro</li> <li>• ThinkVantage System Update</li> <li>• Lenovo SHAREit</li> <li>• Lenovo Reach</li> <li>• AccuWeather</li> <li>• Amazon Kindle</li> <li>• Nitro Pro</li> <li>• Evernote</li> <li>• Rara Streaming</li> <li>• Norton Studio</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Norton Internet Security (30 days of virus definitions)</li> </ul>										
Pen	<i>Some: Wacom® Active pen, batteries required</i>									Limited warranty	1-year - depot repair service / service upgrades available									
Storage	<i>Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ None</i>									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant									
Optical	None																			
Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection																			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																			
WLAN	<i>TP 11b/g/n:</i> ThinkPad 11b/g/n, 1x1, Wi-Fi + BT, M.2 Card <i>7265 ac:</i> Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 Card																			
WWAN	None																			
Smart Card Read	None																			
Dimensions	11.6W" (WxDxH): 11.80" x 8.50" x 0.90" (300mm x 216mm x 25.3mm)																			
Weight	From 3.5 lb (1.59kg)																			
Case color	<i>Display cover:</i> Graphite black or silver <i>Bottom:</i> Graphite black																			
Case material	<i>Display cover:</i> PolyCarbonate/Glass-Fiber Reinforced Plastic <i>Bottom:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																			
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																			
Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack																			
Control buttons	Power button, volume control button																			



# ThinkPad Yoga 11e (2<sup>nd</sup> Gen) 20E7

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Display	Multi-touch	Pen	Storage	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	TPM	Finger print reader	Battery cells (wh)	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann Date (m/y)
20E7000JUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	128G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	04/15
20E70009US	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	04/15
20E7000HUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	04/15
20E7000AUS	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	128G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	04/15
20E7000BUS	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	04/15
20E7000DUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	04/15
20E7000EUS	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	192G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	05/15
20E7000FUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	192G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	05/15
20E7000GUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	120G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	06/15
20E7000CUS	5Y10c	Intel HD	4GB	11.6" HD	MT	Active	120G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win8.1 P64	1-Depot	Yes	06/15

Processor	Intel® Core™ M processor M-5Y10c	Camera Audio support	HD720p resolution, low light sensitive HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / single digital microphone, combo audio/mic jack																		
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Clock Speed</th> <th>Burst Frequency</th> <th>Cache</th> <th>Memory speed</th> <th>Processor Graphics</th> <th>Intel vPro Technology</th> </tr> </thead> <tbody> <tr> <td>5Y10c</td> <td>2</td> <td>4</td> <td>0.80 GHz</td> <td>2.00 GHz</td> <td>4MB</td> <td>DDR3L-1600</td> <td>Intel HD graphics</td> <td>No</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	5Y10c	2	4	0.80 GHz	2.00 GHz	4MB	DDR3L-1600	Intel HD graphics	No	Keyboard Touchpad	ThinkPad Windows keyboard, 6-row, multimedia Fn keys Two buttons click pad below keyboard, multi-touch
Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology													
5Y10c	2	4	0.80 GHz	2.00 GHz	4MB	DDR3L-1600	Intel HD graphics	No													
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; <i>Max resolution: 1920x1080 (HDMI) @60Hz</i>	Security chip	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant																		
Chipset	Intel SoC (System on Chip) platform	Fingerprint reader	None																		
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, soldered to systemboard	Battery - type	Integrated Li-Polymer 4-cell (35Wh)																		
Display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS	Max battery life	<table border="1"> <thead> <tr> <th>Models</th> <th>Windows 7</th> <th>Windows 8</th> </tr> </thead> <tbody> <tr> <td>MobileMark® 2007</td> <td>-</td> <td>-</td> </tr> <tr> <td>MobileMark 2012</td> <td>-</td> <td>8.1 hr</td> </tr> </tbody> </table>	Models	Windows 7	Windows 8	MobileMark® 2007	-	-	MobileMark 2012	-	8.1 hr									
Models	Windows 7	Windows 8																			
MobileMark® 2007	-	-																			
MobileMark 2012	-	8.1 hr																			
MultiTouch	Yes, support 10 fingers	AC adapter	45-watt AC adapter																		
Hinge	Yoga hinge, 360 degree	Preload	<i>Some: Windows 8.1 64-bit</i> <i>Some: Windows 8.1 Pro 64-bit</i> <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <li>Lenovo Support - Metro</li> <li>Lenovo Companion - Metro</li> <li>ThinkVantage System Update</li> <li>Lenovo SHAREit</li> <li>Lenovo Reach</li> <li>AccuWeather</li> <li>Amazon Kindle</li> <li>Nitro Pro</li> <li>Evernote</li> <li>Rara Streaming</li> <li>Norton Studio</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Norton Internet Security (30 days of virus definitions)</li> </ul>																		
Convertible mode	Laptop, tent, stand and tablet	Limited warranty	1-year - depot repair service / service upgrades available																		
Pen	<i>Some: Wacom® Active pen, batteries required</i>	Environment	EEPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant																		
Storage	<i>Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high,</i> <i>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™</i> None																				
Optical	None																				
Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection																				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																				
WLAN	<i>TP 11b/g/n:</i> ThinkPad 11b/g/n, 1x1, Wi-Fi + BT, M.2 Card <i>7265 ac:</i> Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 Card																				
WWAN	None																				
Smart Card Read	None																				
Dimensions	<i>11.6W" (WxDxH):</i> 11.80" x 8.50" x 0.90" (300mm x 216mm x 25.3mm)																				
Weight	From 3.5 lb (1.59kg)																				
Case color	<i>Display cover:</i> Graphite black or silver <i>Bottom:</i> Graphite black																				
Case material	<i>Display cover:</i> PolyCarbonate/Glass-Fiber Reinforced Plastic <i>Bottom:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																				
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																				
Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack																				
Control buttons	Power button, volume control button																				

# ThinkPad Yoga 11e (2<sup>nd</sup> Gen) 20E5 (TopSeller) - Windows 10

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Display	Multi-touch	Pen	Storage	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	TPM	Finger print reader	Battery cells (wh)	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann Date (m/y)
20E5001AUS	5Y10c	Intel HD	8GB	11.6" HD	MT	None	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50019US	5Y10c	Intel HD	8GB	11.6" HD	MT	None	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50017US	5Y10c	Intel HD	8GB	11.6" HD	MT	None	64G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50013US	5Y10c	Intel HD	4GB	11.6" HD	MT	None	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50018US	5Y10c	Intel HD	8GB	11.6" HD	MT	None	128G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50014US	5Y10c	Intel HD	4GB	11.6" HD	MT	None	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50016US	5Y10c	Intel HD	4GB	11.6" HD	MT	None	64G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E50015US	5Y10c	Intel HD	4GB	11.6" HD	MT	None	128G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15

Processor	Intel® Core™ M processor M-5Y10c	Dimensions Weight Case color	11.6W" (WxDxH): 11.80" x 8.50" x 0.90" (300mm x 216mm x 25.3mm) From 3.5 lb (1.59kg) Display cover: Graphite black or silver Bottom: Graphite black																		
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Clock Speed</th> <th>Burst Frequency</th> <th>Cache</th> <th>Memory speed</th> <th>Processor Graphics</th> <th>Intel vPro Technology</th> </tr> </thead> <tbody> <tr> <td>5Y10c</td> <td>2</td> <td>4</td> <td>0.80 GHz</td> <td>2.00 GHz</td> <td>4MB</td> <td>DDR3L-1600</td> <td>Intel HD graphics</td> <td>No</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	5Y10c	2	4	0.80 GHz	2.00 GHz	4MB	DDR3L-1600	Intel HD graphics	No	Case material	PolyCarbonate/Glass-Fiber Reinforced Plastic Bottom: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic
Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology													
5Y10c	2	4	0.80 GHz	2.00 GHz	4MB	DDR3L-1600	Intel HD graphics	No													
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz	Media reader Ports Control buttons	4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack Power button, volume control button																		
Chipset	Intel SoC (System on Chip) platform	Camera	HD720p resolution, low light sensitive																		
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, soldered to systemboard	Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / single digital microphone, combo audio/mic jack																		
Display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS	Keyboard Touchpad	ThinkPad Windows keyboard, 6-row, multimedia Fn keys Two buttons click pad below keyboard, multi-touch																		
MultiTouch	Yes, support 10 fingers	Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None																		
Hinge	Yoga hinge, 360 degree	Battery - type Max battery life	Integrated Li-Polymer 4-cell (35Wh)																		
Convertible mode	Laptop, tent, stand and tablet		<table border="1"> <thead> <tr> <th>Models</th> <th>Windows 7</th> <th>Windows 8</th> </tr> </thead> <tbody> <tr> <td>MobileMark® 2007</td> <td>-</td> <td>-</td> </tr> <tr> <td>MobileMark 2012</td> <td>-</td> <td>8.1 hr</td> </tr> </tbody> </table>	Models	Windows 7	Windows 8	MobileMark® 2007	-	-	MobileMark 2012	-	8.1 hr									
Models	Windows 7	Windows 8																			
MobileMark® 2007	-	-																			
MobileMark 2012	-	8.1 hr																			
Pen	Some: Wacom® Active pen, batteries required	AC adapter	45-watt AC adapter																		
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™	Preload	Some: Windows 10 Pro 64 Some: Windows 10 Home 64																		
Optical	None	Limited warranty	1-year - depot repair service / service upgrades available																		
Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection	Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant																		
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																				
WLAN	TP 11b/g/n: ThinkPad 11b/g/n, 1x1, Wi-Fi + BT, M.2 Card 7265 ac: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 Card																				
WWAN	None																				
Smart Card Read	None																				

# ThinkPad Yoga 11e (2<sup>nd</sup> Gen) 20E7 (Windows 10)

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Display	Multi-touch	Pen	Storage	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	TPM	Finger print reader	Battery cells (wh)	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann Date (m/y)
20E7001AUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001BUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001GUS	5Y10c	Intel HD	8GB	11.6" HD	MT	None	500G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001CUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	128G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001EUS	5Y10c	Intel HD	8GB	11.6" HD	MT	None	64G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001HUS	5Y10c	Intel HD	8GB	11.6" HD	MT	None	320G 7200	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001FUS	5Y10c	Intel HD	8GB	11.6" HD	MT	None	128G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15
20E7001DUS	5Y10c	Intel HD	4GB	11.6" HD	MT	None	64G SSD	7265 ac+BT4.0	None	None	Black	720p	TPM	None	4(35wh)	45W	Win10 P64	1-Depot	No	09/15

Processor	Intel® Core™ M processor M-5Y10c									Dimensions	11.6W" (WxDxH): 11.80" x 8.50" x 0.90" (300mm x 216mm x 25.3mm)										
	Processor Number	# of Cores	# of Threads	Clock Speed	Burst Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Weight	From 3.5 lb (1.59kg)										
Graphics	Intel HD Graphics in processor, supports external digital monitor via HDMI™, supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz									Case color	Display cover: Graphite black or silver Bottom: Graphite black										
	5Y10c									Case material	Display cover: PolyCarbonate/Glass-Fiber Reinforced Plastic Bottom: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic										
Chipset	Intel SoC (System on Chip) platform									Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)										
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, soldered to systemboard									Ports	One USB 3.0, one powered USB 2.0, HDMI, ethernet, combo audio/mic jack										
Display	11.6" (295mm) HD (1366x768) TFT color, LED backlight, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS									Control buttons	Power button, volume control button										
MultiTouch	Yes, support 10 fingers									Camera	HD720p resolution, low light sensitive										
Hinge	Yoga hinge, 360 degree									Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / single digital microphone, combo audio/mic jack										
Convertible mode	Laptop, tent, stand and tablet									Keyboard	ThinkPad Windows keyboard, 6-row, multimedia Fn keys										
Pen	Some: Wacom® Active pen, batteries required									Touchpad	Two buttons click pad below keyboard, multi-touch										
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™									Security	Power-on password, hard disk password, supervisor password, security keyhole										
Optical	None									Security chip	Trusted Platform Module, TCG 1.2-compliant										
Ethernet	Realtek RTL8111GUS-CG Gigabit Network Connection									Fingerprint reader	None										
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Battery - type	Integrated Li-Polymer 4-cell (35Wh)										
WLAN	TP 11b/g/n:	ThinkPad 11b/g/n, 1x1, Wi-Fi + BT, M.2 Card							Max battery life	<table border="1"> <thead> <tr> <th>Models</th> <th>Windows 7</th> <th>Windows 8</th> </tr> </thead> <tbody> <tr> <td>MobileMark® 2007</td> <td>-</td> <td>-</td> </tr> <tr> <td>MobileMark 2012</td> <td>-</td> <td>8.1 hr</td> </tr> </tbody> </table>			Models	Windows 7	Windows 8	MobileMark® 2007	-	-	MobileMark 2012	-	8.1 hr
Models	Windows 7	Windows 8																			
MobileMark® 2007	-	-																			
MobileMark 2012	-	8.1 hr																			
WWAN	None									AC adapter	45-watt AC adapter										
Smart Card Read	None									Preload	Some: Windows 10 Pro 64 Some: Windows 10 Home 64										
										Limited warranty	1-year - depot repair service / service upgrades available										
										Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant										



Lenovo® ThinkPad Yoga



Lenovo ThinkPad Yoga



Lenovo ThinkPad Yoga



Lenovo ThinkPad Yoga



Lenovo ThinkPad Yoga



Lenovo ThinkPad Yoga



# ThinkPad Yoga (20CD) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	M.2 Card SSD	SIM card	Top color	Battery cells	Preload	Ann date (mm/yy)
20CD0002US	i7-4500U	8GB	12.5" HD	anti-smudge	None	720p	256G SSD	Intel 7260 + BT	None	None	Black	8	Win8.1 64	11/13
20CD000GUS	i3-4010U	4GB	12.5" HD	anti-smudge	None	720p	500G 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	11/13
20CD000HUS	i5-4200U	4GB	12.5" HD	anti-smudge	None	720p	500G 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	11/13
20CD000KUS	i7-4500U	8GB	12.5" HD	anti-smudge	None	720p	500G 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	11/13
20CD000MUS	i5-4200U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 5400	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	11/13
20CD000NUS	i5-4200U	4GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	Intel 7260 ac + BT	None	None	Black	8	Win8.1 Pro64	11/13
20CD002FUS	i5-4200U	4GB	12.5" HD	anti-smudge	None	720p	256G SSD	Intel 7260 ac + BT	None	None	Black	8	Win8.1 Pro64	11/13
20CD00AYUS	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	01/14
20CD00C5US	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	Intel 7260 ac + BT	None	None	Black	8	Win7 Pro64	01/14
20CD00CHUS	i5-4200U	4GB	12.5" HD	anti-smudge	None	720p	500G 7200	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	02/14
20CD00CGUS	i3-4010U	4GB	12.5" HD	anti-smudge	None	720p	500G 7200	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	02/14
20CD00DPUS	i3-4030U	4GB	12.5" HD	anti-smudge	None	720p	500G 7200	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	05/14
20CD00DQUS	i5-4210U	4GB	12.5" HD	anti-smudge	None	720p	500G 7200	Intel 7260 ac + BT	16GB	None	Black	8	Win8.1 Pro64	05/14

Positioning	<i>Convertible tablet; one spindle</i>											Preloaded operating system <sup>20</sup>
Processor	<b>Intel® Core™ i3-4010U processor (2 cores, 1.70GHz, 3MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), HT technology <b>Intel Core i3-4030U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), HT technology <b>Intel Core i5-4200U processor (2 cores, 1.60GHz, 3MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology <b>Intel Core i5-4210U processor (2 cores, 1.70GHz, 3MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology <b>Intel Core i7-4500U processor (2 cores, 1.80GHz, 4MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology											- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit - Some: Windows 8.1 64-bit - Some: Windows 8.1 Pro 64-bit  <b>Preloaded applications<sup>14</sup></b> (only some listed, for Windows 8.1 models) <ul style="list-style-type: none"> <li>• Lenovo Support</li> <li>• Lenovo Companion</li> <li>• Lenovo Cloud Storage</li> <li>• Password Manager</li> <li>• ThinkVantage System Update</li> <li>• Norton™ Internet Security (30 days of virus definitions)</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Skype™</li> </ul>
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets											
Optical	None											
SATA disk	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: M.2 Solid State Drive (SSD), via M.2 Card slot											
M.2 SSD												
Widescreen display	Some: <b>12.5"</b> (317.5mm) <b>HD (1366x768) TFT color</b> , smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; Some: <b>12.5"</b> (317.5mm) <b>FHD (1920x1080) TFT color</b> , smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS; Some: <b>12.5"</b> (317.5mm) <b>FHD (1920x1080) TFT color</b> , anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	<b>Intel HD Graphics 4400</b> in processor, supports external digital monitor via Mini HDMI; supports dual independent display; <i>Maximum external resolution: 1920x1200 (Mini HDMI)@60Hz</i>											
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight											
TrackPoint®	TrackPoint pointing device											
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch											
Light sensor	Ambient light sensor											
ThinkLight™	None											
Dimensions <sup>3</sup>	8-cell: 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm 8-cell with Pen: 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm											
Weight <sup>2</sup>	8-cell: from 3.46 lb (1.57kg) 8-cell with Pen: from 3.59 lb (1.63kg)											
Case material	Display cover: Magnesium and Aluminum + Polyphenylene sulfide (PPS); Bottom: Magnesium and Aluminum + Polyphenylene sulfide (PPS);											
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication											
Battery - life <sup>10</sup>	8-cell (47Whr): up to 7.0 hr											
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)											
ExpressCard	None											
Ports	Two USB 3.0(one powered), external monitor (mini-HDMI)											
PCIe Mini Card	One PCI Express Mini Card slot											
PCIe WLAN <sup>4</sup>	Some: 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2											
M.2 Card	One M.2 Card slot for support of SSD											
WWAN	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											Supports ThinkVantage® technologies
Ethernet	None											
Intel AMT	None											
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack											45-watt AC Adapter ENERGY STAR® compliant ROHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Fingerprint reader	None											
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available											For Lenovo <sup>22</sup> service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information

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# ThinkPad Yoga (20CD) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	M.2 Card SSD	Top color	Battery cells	Preload	Ann date (mm/yy)
20CD002HUS	i7-4500U	8GB	12.5" HD	anti-smudge	None	720p	256G SSD	Intel 7260 ac + BT	None	Black	8	Win8.1 Pro64	11/13
20CD002PUS	i5-4200U	4GB	12.5" HD	anti-smudge	None	720p	128G SSD	Intel 7260 + BT	None	Black	8	Win8.1 64	11/13
20CD002QUS	i5-4200U	4GB	12.5" FHD	anti-glare	Pen	720p	128G SSD	Intel 7260 + BT	None	Black	8	Win8.1 64	11/13
20CD002RUS	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	Intel 7260 + BT	None	Black	8	Win8.1 64	11/13
20CD002SUS	i5-4200U	4GB	12.5" HD	anti-smudge	None	720p	180G SSD OPAL	Intel 7260 ac + BT	None	Black	8	Win8.1 Pro64	11/13
20CD002TUS	i5-4200U	4GB	12.5" FHD	anti-glare	Pen	720p	180G SSD OPAL	Intel 7260 ac + BT	None	Black	8	Win8.1 Pro64	11/13
20CD002UUS	i7-4500U	8GB	12.5" HD	anti-smudge	None	720p	180G SSD OPAL	Intel 7260 ac + BT	None	Black	8	Win8.1 Pro64	11/13
20CD002VUS	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	180G SSD OPAL	Intel 7260 ac + BT	None	Black	8	Win8.1 Pro64	11/13
20CD00AYUS	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	Intel 7260 ac + BT	16GB	Black	8	Win8.1 Pro64	12/13
20CD00B0US	i7-4500U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	Intel 7260 ac + BT	None	Black	8	Win8.1 Pro64	12/13
20CD00EGUS	i5-4200U	8GB	12.5" FHD	anti-glare	Pen	720p	180G SSD OPAL	Intel 7260 ac + BT	None	Black	8	Win7 Pro64	09/14

Positioning	<i>Convertible tablet; one spindle</i>										
Processor	<b>Intel® Core™ i5-4200U processor (2 cores, 1.60GHz, 3MB Cache), Intel HD Graphics 4400</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology <b>Intel Core i5-4300U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4400</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology <b>Intel Core i7-4500U processor (2 cores, 1.80GHz, 4MB Cache), Intel HD Graphics 4400</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology <b>Intel Core i7-4600U processor (2 cores, 2.10GHz, 4MB Cache), Intel HD Graphics 4400</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology										
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets										
Optical SATA disk	None <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot										
M.2 SSD											
Widescreen display	<i>Some:</i> <b>12.5"</b> (317.5mm) <b>HD (1366x768) TFT color</b> , smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; <i>Some:</i> <b>12.5"</b> (317.5mm) <b>FHD (1920x1080) TFT color</b> , smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS; <i>Some:</i> <b>12.5"</b> (317.5mm) <b>FHD (1920x1080) TFT color</b> , anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus										
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus										
Graphics	<b>Intel HD Graphics 4400</b> in processor, supports external digital monitor via Mini HDMI; supports dual independent display; <i>Maximum external resolution:</i> 1920x1200 (Mini HDMI) @60Hz										
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight										
TrackPoint®	TrackPoint pointing device										
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch										
Light sensor	Ambient light sensor										
ThinkLight™	None										
Dimensions <sup>3</sup>	<i>8-cell:</i> 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm <i>8-cell with Pen:</i> 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm										
Weight <sup>2</sup>	<i>8-cell:</i> from 3.46 lb (1.57kg) <i>8-cell with Pen:</i> from 3.59 lb (1.63kg)										
Case material	<i>Display cover:</i> Magnesium and Aluminum + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium and Aluminum + Polyphenylene sulfide (PPS);										
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication										
Battery - life <sup>10</sup>	<i>8-cell (47Whr):</i> up to 7.0 hr										
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)										
ExpressCard	None										
Ports	Two USB 3.0(one powered), external monitor (mini-HDMI)										
PCIe Mini Card	One PCI Express Mini Card slot										
PCIe WLAN <sup>4</sup>	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2										
M.2 Card	One M.2 Card slot for support of SSD										
WWAN	None										
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card										
Ethernet	None										
Intel AMT	None										
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack										
Security	Power-on password, hard disk password, supervisor password, security keyhole										
Security chip	Trusted Platform Module, TCG 1.2-compliant										
Fingerprint reader	None										
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available										

**Preloaded operating system<sup>20</sup>**  
 - *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit  
 - *Some:* Windows 8.1 64-bit  
 - *Some:* Windows 8.1 Pro 64-bit

**Preloaded applications<sup>14</sup>** (only some listed, for Windows 8.1 models)  
 • Lenovo Support  
 • Lenovo Companion  
 • Lenovo Cloud Storage  
 • Password Manager  
 • ThinkVantage System Update  
 • Norton™ Internet Security (30 days of virus definitions)  
 • Microsoft Office preloaded; purchase a product key to activate  
 • Skype™

Supports ThinkVantage® technologies

45-watt AC Adapter  
 ENERGY STAR® compliant  
 ROHS-compliant  
 International Warranty Service<sup>17</sup>  
 24 hour x 7 day<sup>18</sup> toll-free support during the warranty period<sup>12</sup>

For Lenovo<sup>22</sup> service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information

# ThinkPad Yoga (20CD) - TopSeller - III

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB <sup>2</sup> rpm	PCIe Mini Card WLAN	M.2 Card SSD	M.2 Card SIM card	Top color	Battery cells	Intel vPro	Preload	Ann date (mm/yy)
20CD00BXUS	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20CD00BYUS	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20CD00C0US	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win7 Pro64	01/14
20CD00C3US	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win7 Pro64	01/14
20CD00C1US	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win7 Pro64	01/14
20CD00C2US	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win7 Pro64	01/14
20CD00B1US	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20CD00AXUS	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20CD00AVUS	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20CD00AWUS	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20CD00EHUS	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win7 Pro64	09/14
20CD00BWUS	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win7 Pro64	09/14

Positioning	<i>Convertible tablet; one spindle</i>											<b>Preloaded operating system<sup>20</sup></b>			
Processor	<b>Intel® Core™ i5-4300U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology <b>Intel Core i7-4510U processor (2 cores, 2.00GHz, 4MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology <b>Intel Core i7-4600U processor (2 cores, 2.10GHz, 4MB Cache), Intel HD Graphics 4400,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology											- <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit - <i>Some:</i> Windows 8.1 64-bit - <i>Some:</i> Windows 8.1 Pro 64-bit			
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets											<b>Preloaded applications<sup>14</sup></b> (only some listed, for Windows 8.1 models)			
Optical SATA disk	None <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot											<ul style="list-style-type: none"> <li>• Lenovo Support</li> <li>• Lenovo Companion</li> <li>• Lenovo Cloud Storage</li> <li>• Password Manager</li> <li>• ThinkVantage System Update</li> <li>• Norton™ Internet Security (30 days of virus definitions)</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Skype™</li> </ul>			
M.2 SSD															
Widescreen display	<i>Some:</i> <b>12.5"</b> (317.5mm) <b>HD (1366x768) TFT color</b> , smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; <i>Some:</i> <b>12.5"</b> (317.5mm) <b>FHD (1920x1080) TFT color</b> , smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS; <i>Some:</i> <b>12.5"</b> (317.5mm) <b>FHD (1920x1080) TFT color</b> , anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS														
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus														
Graphics	<b>Intel HD Graphics 4400</b> in processor, supports external digital monitor via Mini HDMI; supports dual independent display; <i>Maximum external resolution:</i> 1920x1200 (Mini HDMI)@60Hz														
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight														
TrackPoint®	TrackPoint pointing device														
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch														
Light sensor	Ambient light sensor														
ThinkLight™	None														
Dimensions <sup>3</sup>	<i>8-cell:</i> 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm <i>8-cell with Pen:</i> 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm														
Weight <sup>2</sup>	<i>8-cell:</i> from 3.46 lb (1.57kg) <i>8-cell with Pen:</i> from 3.59 lb (1.63kg)														
Case material	<i>Display cover:</i> Magnesium and Aluminum + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium and Aluminum + Polyphenylene sulfide (PPS);														
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication														
Battery - life <sup>10</sup>	<i>8-cell (47Whr):</i> up to 7.0 hr														
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)														
ExpressCard	None														
Ports	Two USB 3.0 (one powered), external monitor (mini-HDMI)														
PCIe Mini Card	One PCI Express Mini Card slot														
PCIe WLAN <sup>4</sup>	11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2														
M.2 Card	One M.2 Card slot for support of SSD														
WWAN	None														
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											Supports ThinkVantage® technologies			
Ethernet	None														
Intel AMT	Intel Active Management Technology (iAMT)														
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack											45-watt AC Adapter ENERGY STAR® compliant ROHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>			
Security	Power-on password, hard disk password, supervisor password, security keyhole														
Security chip	Trusted Platform Module, TCG 1.2-compliant														
Fingerprint reader	None											For Lenovo <sup>22</sup> service upgrade options, please go to S-EDGE sheet			
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available														

See footnotes for more detailed information

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(STLA1-3) September 2014



# ThinkPad Yoga (20C0)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	M.2 Card SSD	M.2 Card SIM card	Top color	Battery cells	Intel vPro	Preload	Ann date (mm/yy)
20C0004PUS	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0003WUS	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004VUS	i5-4300U	8GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00041US	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004WUS	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00049US	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0003XUS	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004BUS	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00045US	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004EUS	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00042US	i5-4300U	8GB	12.5" HD	anti-smudge	None	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00046US	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004RUS	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004UUS	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004NUS	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00063US	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	128G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	03/14

Positioning	<i>Convertible tablet; one spindle</i>											Preloaded operating system <sup>20</sup>
Processor	Intel® Core™ i5-4300U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4400, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology											- Some: Windows 8.1 Pro 64-bit
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets											Preloaded applications <sup>14</sup> (only some listed)
Optical SATA disk	None											<ul style="list-style-type: none"> <li>• Lenovo Support</li> <li>• Lenovo Companion</li> <li>• Lenovo Cloud Storage</li> <li>• Password Manager</li> <li>• ThinkVantage System Update</li> <li>• Norton™ Internet Security (30 days of virus definitions)</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Skype™</li> </ul>
M.2 SSD	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: M.2 Solid State Drive (SSD), via M.2 Card slot											
Widescreen display	Some: 12.5" (317.5mm) HD (1366x768) TFT color, smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; Some: 12.5" (317.5mm) FHD (1920x1080) TFT color, smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS; Some: 12.5" (317.5mm) FHD (1920x1080) TFT color, anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	Intel HD Graphics 4400 in processor, supports external digital monitor via Mini HDMI; supports dual independent display; Maximum external resolution: 1920x1200 (Mini HDMI)@60Hz											
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight											
TrackPoint®	TrackPoint pointing device											
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch											
Light sensor	Ambient light sensor											
ThinkLight™	None											
Dimensions <sup>3</sup>	8-cell: 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm 8-cell with Pen: 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm											
Weight <sup>2</sup>	8-cell: from 3.46 lb (1.57kg) 8-cell with Pen: from 3.59 lb (1.63kg)											
Case material	Display cover: Magnesium and Aluminum + Polyphenylene sulfide (PPS); Bottom: Magnesium and Aluminum + Polyphenylene sulfide (PPS);											
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication											
Battery - life <sup>10</sup>	8-cell (47Whr): up to 7.0 hr											
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)											
ExpressCard	None											
Ports	Two USB 3.0 (one powered), external monitor (mini-HDMI)											
PCIe Mini Card	One PCI Express Mini Card slot											
PCIe WLAN <sup>4</sup>	11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2											
M.2 Card	One M.2 Card slot for support of SSD											
WWAN	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											
Ethernet	None											
Intel AMT	Intel Active Management Technology (iAMT)											
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack											
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Fingerprint reader	None											
Limited warranty <sup>12</sup>	3-year - depot repair service / service upgrades <sup>22</sup> available											

See footnotes for more detailed information  
US model(s) announced January 28, or March 11, 2014

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(STLA1-4) March 2014



# ThinkPad Yoga (20C0) - Onsite

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Screen type	Pen	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	M.2 Card SSD	M.2 Card SIM card	Top color	Battery cells	Intel vPro	Preload	Ann date (mm/yy)
20C0003YUS	i5-4300U	8GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004DUS	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004AUS	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00040US	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004FUS	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004CUS	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	500G 7200	7260 ac + BT	16GB	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004MUS	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004HUS	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004QUS	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00043US	i5-4300U	8GB	12.5" HD	anti-smudge	None	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004GUS	i5-4300U	4GB	12.5" HD	anti-smudge	None	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00047US	i7-4600U	8GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004KUS	i5-4300U	4GB	12.5" FHD	anti-glare	Pen	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C0004SUS	i5-4300U	8GB	12.5" FHD	anti-glare	Pen	720p	256G SSD	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14
20C00048US	i7-4600U	8GB	12.5" HD	anti-smudge	None	720p	180G OPAL	7260 ac + BT	None	None	Black	8	vPro	Win8.1 Pro64	01/14

Positioning	<i>Convertible tablet; one spindle</i>											Preloaded operating system <sup>20</sup>
Processor	Intel® Core™ i5-4300U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4400, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology											- Some: Windows 8.1 Pro 64-bit
Memory	4GB or 8GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no SO-DIMM sockets											Preloaded applications <sup>14</sup> (only some listed)
Optical	None											• Lenovo Support
SATA disk	None Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™											• Lenovo Companion
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot											• Lenovo Cloud Storage
Widescreen display	Some: 12.5" (317.5mm) HD (1366x768) TFT color, smudgeless, 10-point touch screen LED backlight, 300 nits, 16:9 aspect ratio, IPS; Some: 12.5" (317.5mm) FHD (1920x1080) TFT color, smudgeless, 10-point touch screen LED backlight, 400 nits, 16:9 aspect ratio, IPS; Some: 12.5" (317.5mm) FHD (1920x1080) TFT color, anti-glare, 10-point touch screen with Pen, LED backlight, 400 nits, 16:9 aspect ratio, IPS											• Password Manager
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											• ThinkVantage System Update
Graphics	Intel HD Graphics 4400 in processor, supports external digital monitor via Mini HDMI; supports dual independent display; Maximum external resolution: 1920x1200 (Mini HDMI)@60Hz											• Norton™ Internet Security (30 days of virus definitions)
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys, LED backlight											• Microsoft Office preloaded; purchase a product key to activate
TrackPoint®	TrackPoint pointing device											• Skype™
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch											
Light sensor	Ambient light sensor											
ThinkLight™	None											
Dimensions <sup>3</sup>	8-cell: 12.44" x 8.70" x 0.74"; 316mm x 221mm x 18.8mm 8-cell with Pen: 12.44" x 8.70" x 0.76"; 316mm x 221mm x 19.4mm											
Weight <sup>2</sup>	8-cell: from 3.46 lb (1.57kg) 8-cell with Pen: from 3.59 lb (1.63kg)											
Case material	Display cover: Magnesium and Aluminum + Polyphenylene sulfide (PPS); Bottom: Magnesium and Aluminum + Polyphenylene sulfide (PPS);											
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication											
Battery - life <sup>10</sup>	8-cell (47Whr): up to 7.0 hr											
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)											
ExpressCard	None											
Ports	Two USB 3.0(one powered), external monitor (mini-HDMI)											
PCIe Mini Card	One PCI Express Mini Card slot											
PCIe WLAN <sup>4</sup>	11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2											
M.2 Card	One M.2 Card slot for support of SSD											
WWAN	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											Supports ThinkVantage® technologies
Ethernet	None											
Intel AMT	Intel Active Management Technology (iAMT)											45-watt AC Adapter
Audio support	High Definition (HD) Audio, Conexant CX20751 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack											ENERGY STAR® compliant
Security	Power-on password, hard disk password, supervisor password, security keyhole											ROHS-compliant
Security chip	Trusted Platform Module, TCG 1.2-compliant											International Warranty Service <sup>17</sup>
Fingerprint reader	None											24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>
Limited warranty <sup>12</sup>	3-year/1-year battery, limited onsite service / service upgrades <sup>22</sup> available											For Lenovo <sup>22</sup> service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information  
US model(s) announced January 28, 2014

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(STLA1-5) February 2014



Lenovo® ThinkPad Yoga 12



Lenovo ThinkPad Yoga 12



Lenovo ThinkPad Yoga 12



# ThinkPad Yoga 12 Platform Specifications

Product Specifications Reference (PSREF)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one Always On), mini HDMI, Lenovo OneLink connector, combo audio / microphone jack	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Monitor cable	None	
	i3-5005U	2	4	2.0 GHz	-	3MB	DDR3L-1600	HD5500	Camera	HD720p resolution, fixed focus	
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500	Audio support	HD Audio, Conexant® CX22752 codec, Dolby® Home Theater® v4 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack	
	i5-5300U	2	4	2.3 GHz	2.9 GHz	3MB		HD5500			
	i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500			
i7-5600U	2	4	2.6 GHz	3.2 GHz	4MB	HD5500					
Graphics	Intel HD Graphics 5500 in processor only, digital monitor support via mini HDMI™; supports dual independent display Max resolution: 1920x1080 (HDMI) @60Hz								Keyboard UltraNav™ ThinkLight™	6-row, LED backlit, spill-resistant, multimedia Fn keys TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None	
Chipset	Intel SoC (System on Chip) platform								Security Security chip vPro	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant <i>Some:</i> Intel vPro Technology	
Memory	8GB max / PC3-12800 1600MHz DDR3L, soldered to systemboard, no sockets								Fingerprint reader	None None	
Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768) color, smudgeless, LED backlight, 300 nits, 16:9 aspect ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080) color, anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080) color, smudgeless, LED backlight, 400 nits, 16:9 aspect ratio, IPS								Battery type	Li-Polymer 8-cell (47Wh)	
Multi-touch	Supports 10-finger gesture								Battery life	Up to 8.0 hr	
Hinge	Yoga hinge, 360 degree								AC adapter	45-watt AC adapter	
Convertible mode	Laptop, tent, stand and tablet								Light sensor	Ambient Light Sensor	
Pen	<i>Some:</i> Wacom® Active pen with glossy panel, batteries required <i>Some:</i> Wacom® Digitizer pen with anti-glare panel, no batteries required								G-sensor/ eCompass	3D accelerometer and 3D magnetometer 3D compass	
Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory								Gyroscope	3D gyrometer	
Optical	None								Preload	<i>Some:</i> No operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo SHAREit • ThinkVantage Product Recovery • ThinkVantage System Update • Microsoft® Office preloaded; purchase a product key to activate	
M.2 SSD	<i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot									<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • ThinkVantage System Update • Microsoft Office preloaded; purchase a product key to activate • Norton Internet Security (30 days of virus definitions)	
Ethernet	None									<i>Some:</i> Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • ThinkVantage Product Recovery	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									<i>Some:</i> Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • Microsoft Office preloaded; purchase a product key to activate • McAfee LiveSafe (30 days of virus definitions)	
WLAN	<i>One of the following, configurable by model:</i> • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card										
WWAN	None										
SIM card	None										
Smart Card Read ExpressCard	None										
Dimensions	12.5" (WxDxH): 12.44" x 8.70" x 0.74" (316mm x 221mm x 19.4mm)								Limited warranty	1-year - depot repair service / service upgrades available 3-year - depot repair service / service upgrades available 3-year - onsite repair service / service upgrades available	
Weight	From 3.48 lb (1.58kg)								Mil-Spec test	MIL-STD-810G military certification	
Case color	Graphite black or silver								Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant	
Case Material	Magnesium and aluminum + Polyphenylene sulfide (PPS)										

# ThinkPad Yoga 12 20DL - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DL0035US	I3-5005U	No	HD 5500	4GB	12.5" FHD	MT	Digitizer	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL003AUS	I7-5600U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL0038US	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL0032US	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL003BUS	I5-5200U	No	HD 5500	4GB	12.5" FHD	MT	Digitizer	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL0037US	I5-5200U	No	HD 5500	4GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL0039US	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	None	1TB 5400	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL0031US	I7-5500U	No	HD 5500	8GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15
20DL0036US	I3-5005U	No	HD 5500	4GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	1-depot	No	02/15

• For detailed platform specifications, please see [ThinkPad Yoga 12 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor	Dimensions Weight Case color Case Material	12.5" (WxDxH): 12.44" x 8.70" x 0.74" (316mm x 221mm x 19.4mm) From 3.48 lb (1.58kg) Graphite black or silver Magnesium and aluminum + Polyphenylene sulfide (PPS)																																												
	<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 speed</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-5005U</td> <td>2</td> <td>4</td> <td>2.0 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="5">DDR3L-1600</td> <td>HD5500</td> </tr> <tr> <td>i5-5200U</td> <td>2</td> <td>4</td> <td>2.2 GHz</td> <td>2.7 GHz</td> <td>3MB</td> <td>HD5500</td> </tr> <tr> <td>i5-5300U</td> <td>2</td> <td>4</td> <td>2.3 GHz</td> <td>2.9 GHz</td> <td>3MB</td> <td>HD5500</td> </tr> <tr> <td>i7-5500U</td> <td>2</td> <td>4</td> <td>2.4 GHz</td> <td>3.0 GHz</td> <td>4MB</td> <td>HD5500</td> </tr> <tr> <td>i7-5600U</td> <td>2</td> <td>4</td> <td>2.6 GHz</td> <td>3.2 GHz</td> <td>4MB</td> <td>HD5500</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	i3-5005U	2	4	2.0 GHz	-	3MB	DDR3L-1600	HD5500	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB	HD5500	i5-5300U	2	4	2.3 GHz	2.9 GHz	3MB	HD5500	i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB	HD5500	i7-5600U	2	4	2.6 GHz	3.2 GHz	4MB	HD5500	Media reader Ports Monitor cable	4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one Always On), mini HDMI, Lenovo OneLink connector, combo audio / microphone jack None
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics																																								
i3-5005U	2	4	2.0 GHz	-	3MB	DDR3L-1600	HD5500																																								
i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500																																								
i5-5300U	2	4	2.3 GHz	2.9 GHz	3MB		HD5500																																								
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500																																								
i7-5600U	2	4	2.6 GHz	3.2 GHz	4MB		HD5500																																								
Graphics	Intel HD Graphics 5500 in processor only	Camera Audio support	HD720p resolution, fixed focus HD Audio, Conexant® CX22752 codec, Dolby® Home Theater® v4 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack																																												
Chipset	Intel SoC (System on Chip) platform	Keyboard UltraNav™ ThinkLight™	6-row, LED backlit, spill-resistant, multimedia Fn keys TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None																																												
Memory	8GB max / PC3-12800 1600MHz DDR3L, soldered to systemboard, no sockets	Security Security chip vPro Fingerprint reader NFC	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: Intel vPro Technology None None																																												
Display	Some: 12.5" (317.5mm) HD (1366x768) color, glossy, LED backlight, 300 nits, 16:9 aspect ratio, IPS Some: 12.5" (317.5mm) FHD (1920x1080) color, anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, IPS	Battery type Battery life AC adapter	Li-Polymer 8-cell (47Wh) Up to 8.0 hr 45-watt AC adapter																																												
Multi-touch	Supports 10-finger gesture	Preload	Some: No operating system Some: Windows® 7 Professional 64 Some: Windows 8.1 Pro 64-bit preinstalled through downgrade rights in Windows 8.1 Pro 64-bit																																												
Hinge	Yoga hinge, 360 degree	Limited warranty	1-year - depot repair service / service upgrades available 3-year - depot repair service / service upgrades available 3-year - onsite repair service / service upgrades available																																												
Convertible mode	Laptop, tent, stand and tablet	Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant																																												
Pen	Some: Wacom® Active pen with glossy panel, batteries required Some: Wacom® Digitizer pen with anti-glare panel, no batteries required																																														
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory																																														
Optical	None																																														
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot																																														
Ethernet	None																																														
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																														
WLAN	One of the following, configurable by model: • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card																																														

See footnotes for more detailed information



# ThinkPad Yoga 12 20DK

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DK0023US	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0026US	I7-5600U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0020US	I5-5300U	vPro	HD 5500	4GB	12.5" FHD	MT	Digitizer	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0024US	I5-5300U	vPro	HD 5500	4GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0025US	I5-5300U	vPro	HD 5500	4GB	12.5" HD	MT	None	128GB SSD	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0021US	I7-5600U	vPro	HD 5500	8GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0022US	I5-5300U	vPro	HD 5500	4GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK0027US	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	None	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-depot	No	02/15
20DK003FUS	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	None	128GB SSD	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	02/15
20DK003HUS	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	02/15
20DK003GUS	I7-5600U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	02/15
20DK003EUS	I7-5600U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	02/15
20DK003DUS	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	02/15
20DK0030US	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	None	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	02/15
20DK003JUS	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	Active	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	03/15
20DK0004US	I7-5600U	vPro	HD 5500	8GB	12.5" HD	MT	Active	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win8.1 P64	3-onsite	Yes	03/15

• For detailed platform specifications, please see [ThinkPad Yoga 12 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor	Dimensions Weight Case color Case Material	12.5" (WxDxH): From 3.48 lb (1.58kg) Graphite black or silver Magnesium and aluminum + Polyphenylene sulfide (PPS)
Graphics	Intel HD Graphics 5500 in processor only	Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one Always On), mini HDMI, Lenovo OneLink connector, combo audio / microphone jack
Chipset	Intel SoC (System on Chip) platform	Monitor cable	None
Memory	8GB max / PC3-12800 1600MHz DDR3L, soldered to systemboard, no sockets	Camera Audio support	HD720p resolution, fixed focus HD Audio, Conexant® CX22752 codec, Dolby® Home Theater® v4 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack
Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768) color, glossy, LED backlight, 300 nits, 16:9 aspect ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080) color, anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, IPS	Keyboard UltraNav™ ThinkLight™	6-row, LED backlight, spill-resistant, multimedia Fn keys TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None
Multi-touch Hinge Convertible mode Pen	Supports 10-finger gesture Yoga hinge, 360 degree Laptop, tent, stand and tablet <i>Some:</i> Wacom® Active pen with glossy panel, batteries required <i>Some:</i> Wacom® Digitizer pen with anti-glare panel, no batteries required	Security Security chip vPro Fingerprint reader NFC	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant <i>Some:</i> Intel vPro Technology None None
Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory	Battery type Battery life AC adapter	Li-Polymer 8-cell (47Wh) Up to 8.0 hr 45-watt AC adapter
Optical M.2 SSD	None <i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot	Preload	<i>Some:</i> No operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Ethernet Bluetooth™	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Limited warranty	3-year - depot repair service / service upgrades available 3-year - onsite repair service / service upgrades available
WLAN	<i>One of the following, configurable by model:</i> • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card	Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

See footnotes for more detailed information

# ThinkPad Yoga 12 20DL - TopSeller (Windows 10)

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DL0075US	I7-5600U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	1-depot	No	07/15
20DL0076US	I5-5200U	No	HD 5500	4GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	1-depot	No	07/15
20DL0078US	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	1-depot	No	07/15
20DL0077US	I3-5005U	No	HD 5500	4GB	12.5" HD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	1-depot	No	07/15
20DL0079US	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	1-depot	No	07/15

• For detailed platform specifications, please see [ThinkPad Yoga 12 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	12.5" (WxDxH): 12.44" x 8.70" x 0.74" (316mm x 221mm x 19.4mm)			
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Weight	From 3.48 lb (1.58kg)			
	i3-5005U	2	4	2.0 GHz	-	3MB	DDR3L-1600	HD5500	Case color	Graphite black or silver			
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500	Case Material	Magnesium and aluminum + Polyphenylene sulfide (PPS)			
	i5-5300U	2	4	2.3 GHz	2.9 GHz	3MB		HD5500	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
	i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500	Ports	Two USB 3.0 (one Always On), mini HDMI, Lenovo OneLink connector, combo audio / microphone jack			
i7-5600U	2	4	2.6 GHz	3.2 GHz	4MB	HD5500		Monitor cable	None				
Graphics	Intel HD Graphics 5500 in processor only								Camera	HD720p resolution, fixed focus			
Chipset	Intel SoC (System on Chip) platform								Audio support	HD Audio, Conexant® CX22752 codec, Dolby® Home Theater® v4 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack			
Memory	8GB max / PC3-12800 1600MHz DDR3L, soldered to systemboard, no sockets								Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys			
Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768) color, glossy, LED backlight, 300 nits, 16:9 aspect ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080) color, anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, IPS								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad			
Multi-touch	Supports 10-finger gesture								ThinkLight™	None			
Hinge	Yoga hinge, 360 degree								Security	Power-on password, hard disk password, supervisor password, security keyhole			
Convertible mode	Laptop, tent, stand and tablet								Security chip	Trusted Platform Module, TCG 1.2-compliant			
Pen	<i>Some:</i> Wacom® Active pen with glossy panel, batteries required <i>Some:</i> Wacom® Digitizer pen with anti-glare panel, no batteries required								vPro	<i>Some:</i> Intel vPro Technology			
Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory								Fingerprint reader	None			
Optical	None								NFC	None			
M.2 SSD	<i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot								Battery type	Li-Polymer 8-cell (47Wh)			
Ethernet	None								Battery life	Up to 8.0 hr			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								AC adapter	45-watt AC adapter			
WLAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card</li> <li>Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card</li> </ul>								Preload	<i>Some:</i> Windows® 7 Professional 64		<i>Some:</i> Windows 10 Pro 64	
									Limited warranty	1-year - depot repair service / service upgrades available 3-year - depot repair service / service upgrades available 3-year - onsite repair service / service upgrades available			
									Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant			

See footnotes for more detailed information

# ThinkPad Yoga 12 20DK - Windows 10

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DK0062US	I5-5300U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	3-depot	No	07/15
20DK0060US	I5-5300U	vPro	HD 5500	8GB	12.5" HD	MT	None	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	3-depot	No	07/15
20DK005YUS	I5-5300U	vPro	HD 5500	4GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	16GB	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	3-depot	No	07/15
20DK0061US	I7-5600U	vPro	HD 5500	8GB	12.5" FHD	MT	Digitizer	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	3-depot	No	07/15
20DK005XUS	I5-5300U	vPro	HD 5500	4GB	12.5" HD	MT	None	128GB SSD	None	7265 ac+BT4.0	None	None	Black	720p	Backlit	TPM	No	8 (47wh)	45W	Win10 P64	3-depot	No	07/15

• For detailed platform specifications, please see [ThinkPad Yoga 12 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	12.5" (WxDxH): 12.44" x 8.70" x 0.74" (316mm x 221mm x 19.4mm)		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Weight	From 3.48 lb (1.58kg)		
	i5-5300U	2	4	2.3 GHz	2.9 GHz	3MB	DDR3L-1600	HD5500	Case color	Graphite black or silver		
	i7-5600U	2	4	2.6 GHz	3.2 GHz	4MB		HD5500	Case Material	Magnesium and aluminum + Polyphenylene sulfide (PPS)		
Graphics	Intel HD Graphics 5500 in processor only								Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Chipset	Intel SoC (System on Chip) platform								Monitor cable	None		
Memory	8GB max / PC3-12800 1600MHz DDR3L, soldered to systemboard, no sockets								Camera	HD720p resolution, fixed focus		
Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768) color, smudgeless, LED backlight, 300 nits, 16:9 aspect ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080) color, anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, IPS								Audio support	HD Audio, Conexant® CX22752 codec, Dolby® Home Theater® v4 / stereo speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack		
Multi-touch	Supports 10-finger gesture								Keyboard	6-row, LED backlight, spill-resistant, multimedia Fn keys		
Hinge	Yoga hinge, 360 degree								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad		
Convertible mode	Laptop, tent, stand and tablet								ThinkLight™	None		
Pen	<i>Some:</i> Wacom® Active pen with glossy panel, batteries required <i>Some:</i> Wacom® Digitizer pen with anti-glare panel, no batteries required								Security	Power-on password, hard disk password, supervisor password, security keyhole		
Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory								Security chip	Trusted Platform Module, TCG 1.2-compliant		
Optical	None								vPro	<i>Some:</i> Intel vPro Technology		
M.2 SSD	<i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot								Fingerprint reader	None		
Ethernet	None								NFC	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery type	Li-Polymer 8-cell (47Wh)		
WLAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card</li> <li>Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card</li> </ul>								Battery life	Up to 8.0 hr		
									AC adapter	45-watt AC adapter		
									Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <i>Some:</i> Windows 10 Pro 64		
									Limited warranty	3-year - depot repair service / service upgrades available 3-year - onsite repair service / service upgrades available		
									Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant		

See footnotes for more detailed information



Lenovo® ThinkPad Yoga 15



Lenovo ThinkPad Yoga 15



Lenovo ThinkPad Yoga 15



# ThinkPad Yoga 15 Platform Specifications

Product Specifications Reference (PSREF)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 (one Always On), one USB 2.0, HDMI, Lenovo OneLink connector combo audio / microphone jack	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Monitor cable	None	
	i3-5010U	2	4	2.1 GHz	-	3MB	DDR3L-1600	HD5500	Camera	<i>Some:</i> HD720p resolution, fixed focus <i>Some:</i> 3D camera, Intel RealSense™ 3D Camera	
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500	Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v4 / stereo JBL branded speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack	
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB	HD5500		Keyboard UltraNav™ ThinkLight™	6-row, LED backlit, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None		
Graphics	Intel HD Graphics in processor only, or Nvidia Geforce 840M Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display Max resolution: 1920x1080 (HDMI)@60Hz								Security Security chip vPro	Power-on password, hard disk password, supervisor password, security keyhole <i>Some:</i> Trusted Platform Module, TCG 1.2-compliant None	
Chipset Memory	Intel SoC (System on Chip) platform 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Fingerprint reader NFC	<i>Some:</i> Fingerprint reader on the keyboard bezel, swipe sensor None	
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080) color, glossy, LED backlight, 300 nits, 16:9 aspect ratio, IPS <i>Some:</i> 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, IPS								Battery type	Li-Polymer 4-cell (66Wh)	
Multi-touch Hinge	Supports 10-finger gesture Yoga hinge, 360 degree								Battery life	Up to 8.0 hr	
Convertible mode	Laptop, tent, stand and tablet								AC adapter	<i>Some:</i> 45-watt AC adapter (Integrated Graphics) <i>Some:</i> 65-watt AC adapter (Discrete Graphics)	
Active pen	<i>Some:</i> Wacom® Active pen, batteries required (WE only)								Light sensor	Ambient Light Sensor	
Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory								G-sensor/ eCompass Gyroscope	3D accelerometer and 3D magnetometer 3D compass, 3D inclinometer 3D gyrometer	
Optical M.2 SSD	None <i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot								Preload	<i>Some:</i> No operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo SHAREit • ThinkVantage Product Recovery • ThinkVantage System Update • Microsoft® Office preloaded; purchase a product key to activate	
Ethernet Bluetooth™	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • ThinkVantage System Update • Microsoft Office preloaded; purchase a product key to activate • Norton Internet Security (30 days of virus definitions)	
WLAN	<i>One of the following, configurable by model:</i> • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card									<i>Some:</i> Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • ThinkVantage Product Recovery	
WWAN (optional)	<i>Some:</i> Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card									<i>Some:</i> Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • Microsoft Office preloaded; purchase a product key to activate • McAfee LiveSafe (30 days of virus definitions)	
SIM card	None								Limited warranty	1-year - depot repair service / service upgrades available	
Smart Card Read ExpressCard	None None								Mil-Spec test	MIL-STD-810G military certification	
Dimensions Weight Case color Case Material	FHD (WxDxH): 15.07" x 10.07" x 0.82" (383mm x 256mm x 21mm) From 5.07 lb (2.30kg) Graphite black or silver Aluminum								Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant	

# ThinkPad Yoga 15 20DQ (Geforce) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DQ001KUS	i5-5200U	No	840M	4GBx2	15.6" FHD	MT	None	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Numpad	None	No	4 (66wh)	65W	Win8.1 P64	1-depot	No	01/15
20DQ001JUS	i5-5200U	No	840M	4GBx1	15.6" FHD	MT	None	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Numpad	None	No	4 (66wh)	65W	Win8.1 P64	1-depot	No	01/15
20DQ001LUS	i7-5500U	No	840M	4GBx2	15.6" FHD	MT	None	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Numpad	None	No	4 (66wh)	65W	Win8.1 P64	1-depot	No	01/15
20DQ001MUS	i7-5500U	No	840M	4GBx2	15.6" FHD	MT	None	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	3D	Numpad	None	No	4 (66wh)	65W	Win8.1 P64	1-depot	No	05/15

• For detailed platform specifications, please see [ThinkPad Yoga 15 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor									Dimensions	FHD (WxDxH): 15.07" x 10.07" x 0.82" (383mm x 256mm x 21mm)		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Weight	From 5.07 lb (2.30kg)			
	i3-5010U	2	4	2.1 GHz	-	3MB	DDR3L-1600	HD5500	Case color	Graphite black or silver			
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500	Case Material	Aluminum			
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)				
Graphics	Nvidia Geforce 840M Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content)									Ports	Two USB 3.0 (one Always On), one USB 2.0, HDMI, Lenovo OneLink connector combo audio / microphone jack		
	Monitor cable	None									Camera	Some: HD720p resolution, fixed focus Some: 3D camera, Intel RealSense™ 3D Camera	
Chipset	Intel SoC (System on Chip) platform									Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v4 / stereo JBL branded speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack		
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets										Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys, numeric keypad	
Display	15.6" (396mm) FHD (1920x1080) color, glossy, LED backlight, 300 nits, 16:9 aspect ratio, IPS									UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad		
Multi-touch	Supports 10-finger gesture									ThinkLight™	None		
Hinge	Yoga hinge, 360 degree									Security	Power-on password, hard disk password, supervisor password, security keyhole		
Convertible mode	Laptop, tent, stand and tablet									Security chip	Some: Trusted Platform Module, TCG 1.2-compliant		
Active pen	Some: Wacom® Active pen, batteries required (WE only)									vPro	None		
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable									Fingerprint reader	Some: Fingerprint reader on the keyboard bezel, swipe sensor		
	Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™									NFC	None		
Optical	None									Battery type	Li-Polymer 4-cell (66Wh)		
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot									Battery life	Up to 8.0 hr		
Ethernet	None									AC adapter	Some: 45-watt AC adapter (Integrated Graphics) Some: 65-watt AC adapter (Discrete Graphics)		
	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Preload	Some: No operating system Some: Windows® 7 Professional 64 Some: Windows 8.1 Pro 64-bit preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
WLAN	One of the following, configurable by model: • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card									Limited warranty	1-year - depot repair service / service upgrades available		
WWAN (optional)	Some: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card									Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant		
SIM card	None												

See footnotes for more detailed information

# ThinkPad Yoga 15 20DQ - TopSeller (Windows 10)

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DQ0080US	I5-5200U	No	HD 5500	4GBx1	15.6" FHD	MT	No	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Numpad	TPM	No	4 (66wh)	45W	Win10 P64	1-depot	No	07/15
20DQ0082US	I7-5500U	No	HD 5500	4GBx2	15.6" FHD	MT	No	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Numpad	TPM	No	4 (66wh)	45W	Win10 P64	1-depot	No	07/15
20DQ007YUS	I5-5200U	No	HD 5500	4GBx2	15.6" FHD	MT	No	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Numpad	TPM	No	4 (66wh)	45W	Win10 P64	1-depot	No	07/15
20DQ0084US	I7-5500U	No	HD 5500	4GBx2	15.6" FHD	MT	No	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	3D	Numpad	TPM	No	4 (66wh)	45W	Win10 P64	1-depot	No	07/15

• For detailed platform specifications, please see [ThinkPad Yoga 15 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	FHD (WxDxH): 15.07" x 10.07" x 0.82" (383mm x 256mm x 21mm)		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Weight	From 5.07 lb (2.30kg)		
	i3-5010U	2	4	2.1 GHz	-	3MB	DDR3L-1600	HD5500	Case color	Graphite black or silver		
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500	Case Material	Aluminum		
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Graphics	Intel HD Graphics in processor only, digital monitor support via HDMI™ (supporting HDCP to output protected content)								Ports	Two USB 3.0 (one Always On), one USB 2.0, HDMI, Lenovo OneLink connector combo audio / microphone jack		
Chipset	Intel SoC (System on Chip) platform								Monitor cable	None		
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Camera	Some: HD720p resolution, fixed focus Some: 3D camera, Intel RealSense™ 3D Camera		
Display	15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, IPS								Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v4 / stereo JBL branded speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack		
Multi-touch	Supports 10-finger gesture								Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys, numeric keypad		
Hinge	Yoga hinge, 360 degree								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad		
Convertible mode	Laptop, tent, stand and tablet								ThinkLight™	None		
Active Pen	Some: Wacom® Active pen, batteries required								Security	Power-on password, hard disk password, supervisor password, security keyhole		
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory								Security chip	Some: Trusted Platform Module, TCG 1.2-compliant		
Optical	None								vPro	None		
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot								Fingerprint reader	Some: Fingerprint reader on the keyboard bezel, swipe sensor		
Ethernet	None								NFC	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery type	Li-Polymer 4-cell (66Wh)		
									Battery life	Up to 8.0 hr		
									AC adapter	Some: 45-watt AC adapter (Integrated Graphics) Some: 65-watt AC adapter (Discrete Graphics)		
WLAN	One of the following, configurable by model: • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card								Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 Some: Windows 10 Pro 64		
WWAN (optional)	Some: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card								Limited warranty	1-year - depot repair service / service upgrades available		
SIM card	None								Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant		

See footnotes for more detailed information

# ThinkPad Yoga 15 20DQ (Geforce) - TopSeller (Windows 10)

Product Specifications Reference (PSREF)

Type-model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Pen	Storage	Optical	WLAN & Bluetooth	WWAN/SSD	SIM card	Color	Camera	Keyboard	TPM	Finger print reader	Battery cells(wh)	Power adapter (watt)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20DQ0083US	I7-5500U	No	840M	4GBx2	15.6" FHD	MT	No	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Numpad	None	No	4 (66wh)	65W	Win10 P64	1-depot	No	07/15
20DQ0081US	I5-5200U	No	840M	4GBx2	15.6" FHD	MT	No	180GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	720p	Numpad	None	No	4 (66wh)	65W	Win10 P64	1-depot	No	07/15
20DQ0085US	I7-5500U	No	840M	4GBx2	15.6" FHD	MT	No	256GB SSD OPAL2	None	7265 ac+BT4.0	None	None	Black	3D	Numpad	None	No	4 (66wh)	65W	Win10 P64	1-depot	No	07/15
20DQ007XUS	I5-5200U	No	840M	4GBx1	15.6" FHD	MT	No	500GB 7200	None	7265 ac+BT4.0	16GB	None	Black	720p	Numpad	None	No	4 (66wh)	65W	Win10 P64	1-depot	No	07/15

• For detailed platform specifications, please see [ThinkPad Yoga 15 Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	FHD (WxDxH): 15.07" x 10.07" x 0.82" (383mm x 256mm x 21mm)			
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Weight	From 5.07 lb (2.30kg)			
	i3-5010U	2	4	2.1 GHz	-	3MB	DDR3L-1600	HD5500	Case color	Graphite black or silver			
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500	Case Material	Aluminum			
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB			Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)				
Graphics	Nvidia Geforce 840M Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content)								Ports	Two USB 3.0 (one Always On), one USB 2.0, HDMI, Lenovo OneLink connector combo audio / microphone jack			
	Monitor cable	None								Camera	Some: HD720p resolution, fixed focus Some: 3D camera, Intel RealSense™ 3D Camera		
Chipset	Intel SoC (System on Chip) platform								Audio support	HD Audio, Realtek® ALC283 codec, Dolby® Advanced Audio™ v4 / stereo JBL branded speakers, 1.5W x 2 / dual array microphone, combo audio / microphone jack			
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys, numeric keypad			
Display	15.6" (396mm) FHD (1920x1080) color, glossy, LED backlight, 300 nits, 16:9 aspect ratio, IPS								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad			
Multi-touch	Supports 10-finger gesture								ThinkLight™	None			
Hinge	Yoga hinge, 360 degree								Security	Power-on password, hard disk password, supervisor password, security keyhole			
Convertible mode	Laptop, tent, stand and tablet								Security chip	Some: Trusted Platform Module, TCG 1.2-compliant			
Active pen	Some: Wacom® Active pen, batteries required (WE only)								vPro	None			
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory								Fingerprint reader	Some: Fingerprint reader on the keyboard bezel, swipe sensor			
Optical	None								NFC	None			
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot								Battery type	Li-Polymer 4-cell (66Wh)			
Ethernet	None								Battery life	Up to 8.0 hr			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								AC adapter	Some: 45-watt AC adapter (Integrated Graphics) Some: 65-watt AC adapter (Discrete Graphics)			
WLAN	One of the following, configurable by model: • Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card • Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card								Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 Some: Windows 10 Pro 64			
WWAN (optional)	Some: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card								Limited warranty	1-year - depot repair service / service upgrades available			
SIM card	None								Environment	EPEAT™ Gold; ENERGY STAR®; RoHS-compliant			

See footnotes for more detailed information



Lenovo Quick Pick (<http://www.lenovoquickpick.com>) is an options and services configurator for Lenovo systems.

For the options and services information on ThinkPad systems, please see below:

<b>ThinkPad 10</b> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/tablet/thinkpad-10">http://www.lenovoquickpick.com/usa/system/thinkpad/tablet/thinkpad-10</a>	<b>ThinkPad 11e Yoga</b> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/other-thinkpad/thinkpad-11e-windows">http://www.lenovoquickpick.com/usa/system/thinkpad/other-thinkpad/thinkpad-11e-windows</a>
<b>ThinkPad Tablet 2</b> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/tablet/tablet-2">http://www.lenovoquickpick.com/usa/system/thinkpad/tablet/tablet-2</a>	
<b>ThinkPad Helix</b> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/other-thinkpad/helix">http://www.lenovoquickpick.com/usa/system/thinkpad/other-thinkpad/helix</a> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/multimode/thinkpad-helix-2nd-gen">http://www.lenovoquickpick.com/usa/system/thinkpad/multimode/thinkpad-helix-2nd-gen</a>	<b>ThinkPad Yoga 15</b> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/yoga/yoga-15-s5">http://www.lenovoquickpick.com/usa/system/thinkpad/yoga/yoga-15-s5</a>
<b>ThinkPad Yoga</b> <a href="http://www.lenovoquickpick.com/usa/system/thinkpad/other-thinkpad/yoga">http://www.lenovoquickpick.com/usa/system/thinkpad/other-thinkpad/yoga</a>	

### Disclaimer

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PSREF books for the withdrawn systems:

[http://www.lenovo.com/psref/psrefs\\_withdrawn.html](http://www.lenovo.com/psref/psrefs_withdrawn.html)

**Availability:** All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

**Warranty:** For a copy of applicable product warranties, go to [http://support.lenovo.com/en\\_US/product-service/warranty-status/WarrantyPolicies.page](http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page). Lenovo makes no representation or warranty regarding third party products or services.

#### Footnotes:

- <sup>1</sup> Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- <sup>2</sup> **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- <sup>3</sup> **Thinness** may vary at certain points on the system.
- <sup>4</sup> **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- <sup>5</sup> **TAA:** ThinkPad notebook is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.
- <sup>6</sup> **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- <sup>7</sup> **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.
- <sup>8</sup> **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- <sup>9</sup> **CD/DVD drive speeds** list maximum rates; rates are variable and are often less than the maximum.
- <sup>10</sup> **Battery:** These model numbers achieved the battery life based on MobileMark® 2012 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- <sup>11</sup> **External monitor:** This system supports a maximum of two external monitors. The integrated display(s) must be disabled to support two external monitors.
- <sup>12</sup> **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- <sup>13</sup> **Internet access not included.**
- <sup>14</sup> **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.
- <sup>16</sup> **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at [www.verizonwireless.com](http://www.verizonwireless.com).
- <sup>17</sup> **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.
- <sup>18</sup> **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with Depot or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.
- <sup>19</sup> **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- <sup>20</sup> **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to [lenovo.com/pc/support](http://lenovo.com/pc/support) and enter your machine type and model number for more information.
- <sup>21</sup> **For combination drives,** maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.

<sup>22</sup> **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

<sup>23</sup> **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see [www.wireless.att.com](http://www.wireless.att.com) for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

<sup>24</sup> **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

<sup>26</sup> **Full-size keyboard:** As defined by ISO/IEC 15412.

<sup>27</sup> **Based on IEEE 802.11a and 802.11b.** A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

<sup>28</sup> **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

<sup>30</sup> **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.



<sup>32</sup> **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

<sup>36</sup> **Wireless upgradable** allows the system to be wireless-enabled with an optional wireless Mini PCI or Mini PCI Express card. Designed to operate only with Lenovo options.

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# ThinkPad®

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