



Contract Award 13PS0280

LENOVO MASTER AGREEMENT MNWNC-117

UPDATED 10/4/19

DAS/Procurement Division held a pricing event on August 22, 2019 for desktop, laptops and monitors. As a result of this pricing event Lenovo was awarded the items and pricing reflected on the price sheet attached.

***The attached pricing is effective for one hundred and eighty days (180); August 22, 2019 through February 21, 2020.**

Pricing is extended to all using State agencies, political subdivisions and not for profit entities of the State.

Contact information: Jeremiah Pope jpope@lenovo.com 919 874-3483

For questions please contact Contract Specialist Janet DelGreco Olson at janet.delgreco@ct.gov 860 713-5079.

- **By mutual consent auction pricing is extended for an additional 90 days as reflected above.**

300e Chromebook

powered for possibilities.

Introducing the 300e Chromebook, an interactive learning experience.

When it comes to versatility in the classroom, the 300e Chromebook passes the test. With Enhanced Touch Technology, the 300e allows students to use a standard No.2 pencil on the screen. A true hands-on learning device, the 300e bends into four different positions, making it perfect for lesson planning, note-taking, and engaging with all your favorite education apps. Plus, with Google Classroom and G Suite for Education, the 300e is optimized for classroom collaboration. All that flexibility combined with the simple set-up and security of Chrome Education software makes the 300e built to rule any school.

**Lenovo**

A Touch Above The Rest

Built with a 11.6" HD multi-touch display, the 300e allows students and teachers to turn a standard No.2 pencil into a modern, interactive tool that interacts with the Chrome UI. Plus, its 360° Yoga Hinge bends into four different modes, making the 300e perfect for drawing, playing games, taking tests, and many other touch-based applications designed for hands-on learning.



Durability Done Right

The 300e sports a sleek, non-slip texture, making it easy to hold onto. Designed for education, it's tough enough to withstand drops up to 75cm. Plus, the keyboard not only features mechanically anchored keys, but a water-resistant design. Pair all that with the rugged, reinforced flexibility of a 360° Yoga hinge, and you've got a machine built to withstand even the most chaotic classrooms.



Classroom Compatible

Built for performance and productivity, the 300e is powered by a Quad-Core ARM processor which runs education apps like Alma, Activity Learn, GeoGebra, and more. The 300e is perfect for sharing across students. With Google ID students can securely log in and out of their personal interface and access assignments on the cloud from any device. Equipped with G Suite for Education and Google Classroom, the 300e makes collaboration and classroom control an easy A.



The Total Learning Tool

Lightweight (3 lbs) and designed to power through an entire school day, (holds up to 10-hours of battery life*) the 300e is an all-access pass to interactive education. In addition to the Enhanced Touch Technology which boasts 10-finger touch capabilities, the 300e has a Front-Facing Camera - perfect for capturing photos or collaborating on projects. Plus, it is built for performance and productivity as it comes equipped with ports for USB-C, USB 3.0, HDMI, etc. making it easy to share files and project presentations.

300e Chromebook**Lenovo™****Specifications****Performance**

Processor	MediaTek MTK 8173C
Operating System	Chrome OS™
Graphics	MediaTek Integrated graphics
Memory	4 GB
Storage	32 GB eMMc
Audio	3.5 mm Combo Audio
Battery	45 Whr, Up to 10 hrs

Design

Display	11.6"HD 10pt multitouch display (1366x768) IPS 250
Camera	720p
Dimensions	292 x 204 x 21.2mm / 11.49" x 8" x .83"
Weight	3.0 lbs / 1.35 kg
MIL-SPEC Standard	Mil-STD-810G
Keyboard	Full-sized, water-resistant (330 ml) with touchpad & mechanically anchored keys
Durability Features	Reinforced ports & hinges, drop-resistant up to 29.5" (75cm)

Connectivity

USB-C
USB 3.0
HDMI
Combo mic / audio jack
SD card reader
WiFi 802.11 AC (2 x 2)
Bluetooth 4.0
Kensington lock slot

Lenovo Offerings & Services**Chrome Education license**

Chrome Education license enables IT administrators to manage a few or a fleet of Chrome devices within a centralized, easy and intuitive software interface. Lenovo makes it easy to acquire as an OEM authorized distributor of Commercial Chrome Education license.

Warranty upgrades - onsite and next business day

Maximize PC uptime and productivity by providing convenient, fast, repair service at your organization.

Warranty extensions (1-3 years total duration)

This fixed-term, fixed-cost service helps accurately budget for Chromebook expenses, protects your valuable investment and lowers the cost of ownership over time.

Accidental damage protection

Avoid the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops, or screen damage.

G Suite for Education

Easy access to Google's G Suite family of apps keeps everything under one roof and free of software licensing fees. Simple cloud management and 24/7 support make Chromebooks easily scalable to any size classrooms, big or small.

Options / Accessories**USB-C 45W AC Adapter****Lenovo Laser Wireless Mouse****Lenovo Professional Wireless Keyboard**

*Based on Google Chrome Power_LoadTest, a battery run down test. For more information about Google Chrome Power_LoadTest, visit www.chromium.org. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

lenovo.com/chromebook

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MTM Last Refreshed on 2019-08-29

BOM FOR 20N9S37W00 (NoteBook TP E490 I5 16G 10P)

PN	Qty	Short Name
SBB0F57534	1	Energy Star Pack
SBB0L62393	1	Hardware Security Chip2.0 Enabled
SBB0L54240	1	Win 10 Pro MFG Flag
SBB0Q08354	1	Windows Pro/Core Logo GML TPG
SBB0Q08253	1	IntelLbl(8thIntelCorei5)Titanium
SBB0K03587	1	Intel 9260+BT 2x2AC
SBB0N19005	1	None Optane Memory
SBB0L69408	1	KB ENG
SBB0Q57270	1	16GB DDR4 2400 SoDIMM
SBB0Q57257	1	No Fingerprint BK ABS
SBB0Q57439	1	Standard
SBB0F57284	1	California WARNING statement lbl
SBB0Q57423	1	PUB ENG/BRL/FRA/ARA/SPA
SBB0Q57593	1	US/FCC/IC Carton LBL Intel9260
SBB0Q57279	1	No HDD w/Misc Parts
SBB0Q57491	1	WLAN Misc Parts - WLAN M.2
SBB0Q57495	1	Name Label E490
SBB0Q57552	1	E Como KB dummy part
SBB0Q57243	1	Dcover BK Texture
SBB0Q57493	1	Mech Misc Parts
SBB0T35006	1	On Board WLAN vPro&non vPro
SBB0Q57362	1	PUB ENG
SBB0S70243	1	65W USB-C PCC 2PIN BK US
5WS0A23681	1	3Y Onsite
SBB0Q57587	1	E490
5WSOL13019	1	3Y KYD Add On
SBB0Q57247	1	E490 HD TN AG ABS BK CM
SBB0Q57650	1	Dummy PN w/720p CM w/Mic in DPY
SBB0Q58031	1	3Cell 45WH Internal
SBB0Q57222	1	Intel i5-8265U UHD Graphics 620
SBB0Q57526	1	SysLbl TP00094D for ROW Black
SBB0M18333	1	W10 P64-ENG
SBB0L53838	1	W10 Pro DPK WW
SBB0Q57285	1	M.2 2242 512GB SSD PCIe-NVMe TLC

SPECIFICATIONS FOR REVERSE AUCTION PRODUCTS

Production Released

Basic Name	Long Name
L1 COPT	Energy Star Pack
L1 MI	Hardware Security Chip2.0 Enabled
L1 COPT	Win 10 Pro MFG Flag
L1 LBL	Windows Pro/Core Logo GML TPG
L1 LBL	IntelLbl(8thIntelCorei5)Titanium
L1 WLAN	Intel 9260+BT 2x2AC
L1 MI	None Optane Memory
L1 KYB	KB ENG
L1 SM	16GB DDR4 2400 SoDIMM
L1 PD	No Fingerprint BK ABS
L1 PKG	Standard
L1 COPT	California WARNING statement lbl
L1 LPK	PUB ENG/BRL/FRA/ARA/SPA
L1 LBL	US/FCC/IC Carton LBL Intel9260
L1 HD	No HDD w/Misc Parts
L1 COPT	WLAN Misc Parts - WLAN M.2
L1 COPT	Name Label E490
L1 COPT	E Como KB dummy part
L1 BASE2	Dcover BK Texture
L1 COPT	Mech Misc Parts
L1 MI	On Board WLAN vPro&non vPro
L1 LPK	PUB ENG
L1 PCMPA	65W USB-C PCC 2PIN BK US
WARRANTY	3Y Onsite_3YR ONSITE 5TKPTKWWAMO
i5-8265U	E490_UHD 620 L1 LBL i5-8265U
WARRANTY	3Y KYD Add On_3Y KEEP YOUR DRIVE ADD ON 5TKPTKWHDDR
L1 DPY	E490 HD TN AG ABS BK CM
L1 CAM	Dummy PN w/720p CM w/Mic in DPY
L1 BAT	3Cell 45WH Internal
L1 BASE	Intel i5-8265U UHD Graphics 620
L1 LBL	SysLbl TP00094D for ROW Black
L1 OSL	W10 P64-ENG
L1 DPK	W10 Pro DPK WW
L1 HD	M.2 2242 512GB SSD PCIe-NVMe TLC



MTM Last Refreshed on 2019-08-29

BOM FOR 20N9S37X00 (NoteBook TP E490 I7 16G 10P)

PN	Qty	Short Name
SBB0F57534	1	Energy Star Pack
SBB0L62393	1	Hardware Security Chip2.0 Enabled
SBB0L54240	1	Win 10 Pro MFG Flag
SBB0Q08354	1	Windows Pro/Core Logo GML TPG
SBB0Q08254	1	IntelLbl(8thIntelCorei7)Titanium
SBB0K03587	1	Intel 9260+BT 2x2AC
SBB0N19005	1	None Optane Memory
SBB0L69408	1	KB ENG
SBB0Q57270	1	16GB DDR4 2400 SoDIMM
SBB0Q57257	1	No Fingerprint BK ABS
SBB0Q57439	1	Standard
SBB0F57284	1	California WARNING statement lbl
SBB0Q57423	1	PUB ENG/BRL/FRA/ARA/SPA
SBB0Q57593	1	US/FCC/IC Carton LBL Intel9260
SBB0Q57279	1	No HDD w/Misc Parts
SBB0Q57491	1	WLAN Misc Parts - WLAN M.2
SBB0Q57495	1	Name Label E490
SBB0Q57552	1	E Como KB dummy part
SBB0Q57243	1	Dcover BK Texture
SBB0Q57493	1	Mech Misc Parts
SBB0T35006	1	On Board WLAN vPro&non vPro
SBB0Q57362	1	PUB ENG
SBB0S70243	1	65W USB-C PCC 2PIN BK US
5WS0A23681	1	3Y Onsite
SBB0Q57591	1	E490
5WSOL13019	1	3Y KYD Add On
SBB0Q57247	1	E490 HD TN AG ABS BK CM
SBB0Q57650	1	Dummy PN w/720p CM w/Mic in DPY
SBB0Q58031	1	3Cell 45WH Internal
SBB0Q57224	1	Intel i7-8565U UHD Graphics 620
SBB0Q57526	1	SysLbl TP00094D for ROW Black
SBB0M18333	1	W10 P64-ENG
SBB0L53838	1	W10 Pro DPK WW
SBB0Q57285	1	M.2 2242 512GB SSD PCIe-NVMe TLC

SPECIFICATIONS FOR REVERSE AUCTION PRODUCTS

Production Released

Basic Name	Long Name
L1 COPT	Energy Star Pack
L1 MI	Hardware Security Chip2.0 Enabled
L1 COPT	Win 10 Pro MFG Flag
L1 LBL	Windows Pro/Core Logo GML TPG
L1 LBL	IntelLbl(8thIntelCorei7)Titanium
L1 WLAN	Intel 9260+BT 2x2AC
L1 MI	None Optane Memory
L1 KYB	KB ENG
L1 SM	16GB DDR4 2400 SoDIMM
L1 PD	No Fingerprint BK ABS
L1 PKG	Standard
L1 COPT	California WARNING statement lbl
L1 LPK	PUB ENG/BRL/FRA/ARA/SPA
L1 LBL	US/FCC/IC Carton LBL Intel9260
L1 HD	No HDD w/Misc Parts
L1 COPT	WLAN Misc Parts - WLAN M.2
L1 COPT	Name Label E490
L1 COPT	E Como KB dummy part
L1 BASE2	Dcover BK Texture
L1 COPT	Mech Misc Parts
L1 MI	On Board WLAN vPro&non vPro
L1 LPK	PUB ENG
L1 PCMPA	65W USB-C PCC 2PIN BK US
WARRANTY	3Y Onsite_3YR ONSITE 5TKPTKWWAMO
i7-8565U	E490_UHD 620 L1 LBL i7-8565U
WARRANTY	3Y KYD Add On_3Y KEEP YOUR DRIVE ADD ON 5TKPTKWHDDR
L1 DPY	E490 HD TN AG ABS BK CM
L1 CAM	Dummy PN w/720p CM w/Mic in DPY
L1 BAT	3Cell 45WH Internal
L1 BASE	Intel i7-8565U UHD Graphics 620
L1 LBL	SysLbl TP00094D for ROW Black
L1 OSL	W10 P64-ENG
L1 DPK	W10 Pro DPK WW
L1 HD	M.2 2242 512GB SSD PCIe-NVMe TLC



MTM Last Refreshed on 2019-08-29

BOM FOR 20NUS0VC00 (NoteBook TP L390 I7 8G 10P)

PN	Qty	Short Name
SBB0F57534	1	Energy Star Pack
SBB0L62393	1	Hardware Security Chip2.0 Enabled
SBB0L54240	1	Win 10 Pro MFG Flag
SBB0Q08354	1	Windows Pro/Core Logo GML TPG
SBB0Q08254	1	IntelLbl(8thIntelCorei7)Titanium
SBB0P99316	1	3 cell 45Wh
SBB0N19005	1	None Optane Memory
SBB0L69408	1	KB ENG
SBB0R12897	1	Intel 9560(2x2 AC)+BT5.0 vPRO
SBB0P99894	1	i7-8565U
SBB0P99925	1	TP w/o FPR
SBB0F57284	1	California WARNING statement lbl
SBB0P99930	2	4GB DDR4 2400 SoDIMM
SBB0P99878	1	Standard PKG
SBB0P99880	1	WLAN Misc Parts - WLAN NGFF M.2
SBB0P99881	1	Mech Misc Parts
SBB0P99898	1	Dcover
SBB0P99412	1	ThinkPad Pen Pro
SBB0Q00021	1	NA FCC/IC CtnLbl IT9560 + NONFC
SBB0S70223	1	MTM S/N Label - 1 pc
SBB0P99983	1	L390&S2
SBB0Q57362	1	PUB ENG
SBB0S70243	1	65W USB-C PCC 2PIN BK US
5PS0A23278	1	3Y KYD Add On
SBB0P99870	1	LPK ENG/BRL/ARA/FRA/SPA
SBB0P99934	1	256GB M.2 2280 NVMe OPAL
SBB0U88862	1	GEOL USA w/ PHL Factory ID
SBB0U88870	1	L390Y FHD IPS MT RGB AL BK
SBB0M18474	1	W10 P64-ENG
SBB0L53838	1	W10 Pro DPK WW

Production Released

Basic Name	Long Name
L1 COPT	Energy Star Pack
L1 MI	Hardware Security Chip2.0 Enabled
L1 COPT	Win 10 Pro MFG Flag
L1 LBL	Windows Pro/Core Logo GML TPG
L1 LBL	IntelLbl(8thIntelCorei7)Titanium
L1 BAT	3 cell 45Wh
L1 MI	None Optane Memory
L1 KYB	KB ENG
L1 WLAN	Intel 9560(2x2 AC)+BT5.0 vPRO
UHD620	i7-8565U_non-vPro L1 BASE UHD620
BK	TP w/o FPR_Yoga(non-WFC) L1 PD BK
L1 COPT	California WARNING statement lbl
L1 SM	4GB DDR4 2400 SoDIMM
L1 PKG	Standard PKG
L1 COPT	WLAN Misc Parts - WLAN NGFF M.2
L1 COPT	Mech Misc Parts
Yoga(Pen)	Dcover_BK L1 BASE2 Yoga(Pen)
L1 OPTION	ThinkPad Pen Pro
L1 LBL	NA FCC/IC CtnLbl IT9560 + NONFC
L1 LBL	MTM S/N Label - 1 pc
i7-8565U	L390&S2_UHD620 L1 LBL i7-8565U
L1 LPK	PUB ENG
L1 PCMPA	65W USB-C PCC 2PIN BK US
PROTECTION	3Y KYD Add On
L1 LPK	LPK ENG/BRL/ARA/FRA/SPA
L1 HD	256GB M.2 2280 NVMe OPAL
BK	GEOL USA w/ PHL Factory ID, BK
L1 DPY	L390Y FHD IPS MT RGB AL BK
L1 OSL	W10 P64-ENG
L1 DPK	W10 Pro DPK WW



MTM Last Refreshed on 2019-08-21

BOM FOR 81M90006US (Notebook LN 300e 2 N5000 4G 128G 10P)

PN	Qty	Short Name
SBB0M59319	1	SWR Metrics Win 10
SBB0N05862	1	OS WIN10 MFGFLAG OA3FLAG
SBB0N36848	1	OS WIN10 MFGFLAG OA2MARKER
SBB0R28005	1	McAfee 30 Days trial
SBB0R47701	1	SWR Le-Note
SBB0R47702	1	SWR MPEG 2 Codec
SBB0R62203	1	100e W10_P64-ENG
SBB0T02124	1	3CELL_42WH_INTERNAL
SBB0T02140	1	45W_USB-C_2PIN_BK_US
SBB0T02155	1	KB_BK_ENG
SBB0T02412	1	INTEL 9560 2X2AC+BT NA/TWN
SBB0T04438	1	Language Pack WW English
SBB0T08228	1	LAYOUT-US_NFP_PCC_NO_CAM_BK
SBB0T08233	1	COVER D BK
SBB0T08234	1	ACTIVE_PEN
SBB0T08241	1	N5000_UMA_4G_128G_EMMC
SBB0T08242	1	11_HD_IPS_AG_T_720P_SMC_BK
SBB0T22394	1	FRU PD KB BK ENG W/NO CAM
SBB0T22441	1	FRU MB WIN N5000 UMA 4G 128GEMMC
SBB0T25554	1	DL_Rating_label_WW
SBB0T25556	1	DL_rating print label
SBB0T25562	1	100e windows PKG Carton
SBB0T26442	1	CTL Intel packing logo
SBB0T26444	1	CTL warning USA label
SBB0T26446	1	PKG ACC box
SBB0T26447	1	Energy star label
SBB0T26448	1	CTL Configure_NECanada
SBB0T26449	1	CTL seal label 25um
SBB0T26453	1	Energy star print label
SBB0T26456	1	PKG cushion
SBB0T26460	1	PKG screen film
SBB0T26463	1	Packing Bag
SBB0T36103	1	ACL Intel Pentium CPU label
SBB0T45002	1	OS_DPK_PRO_ACADEMIC_STD
SBB0T83384	1	OS WIN10 EDU GML LABEL
SBB0V64123	1	Office Trial 2019_1904
SBB0W73916	1	WIN10 Professional for EDU
SBB0W90726	1	WIN10-Skip OOB 5x5 entry page

Direct Update

Long Name
SWR Metrics Win 10
OS WIN10 MFGFLAG OA3FLAG
OS WIN10 MFGFLAG OA2MARKER_OS WIN10 MFGFLAG OA2MARKER
McAfee 30 Days trial_MCAFEE 30 DAYS TRIAL
SWR Le-Note_SWR LE-NOTE
SWR MPEG 2 Codec_SWR MPEG 2 CODEC
100e W10_P64-ENG_100E W10_P64-ENG
3CELL_42WH_INTERNAL_3CELL_42WH_INTERNAL
45W_USB-C_2PIN_BK_US_45W_USB-C_2PIN_BK_US
KB_BK_ENG_KB_BK_ENG
INTEL 9560 2X2AC+BT NA/TWN_INTEL 9560 2X2AC BT NA/TWN
Language Pack WW English_LANGUAGE PACK WW ENGLISH
LAYOUT-US_NFP_PCC_NO_CAM_BK_LAYOUT-US_NFP_PCC_NO_CAM_BK
COVER D BK_COVER D BK
ACTIVE_PEN_ACTIVE_PEN
N5000_UMA_4G_128G_EMMC_N5000_UMA_4G_128G_EMMC
11_HD_IPS_AG_T_720P_SMC_BK_11_HD_IPS_AG_T_720P_SMC_BK
FRU PD KB BK ENG W/NO CAM_FRU PD KB BK ENG W/NO CAM
FRU MB WIN N5000 UMA 4G 128GEMMC_FRU MB WIN N5000 UMA 4G 128GEMMC
DL_Rating_label_WW_DL_RATING_LABEL_WW
DL_rating print label_DL_RATING PRINT LABEL
100e windows PKG Carton_100E WINDOWS PKG CARTON
CTL Intel packing logo_CTL INTEL PACKING LOGO
CTL warning USA label_CTL WARNING USA LABEL
PKG ACC box_PKG ACC BOX
Energy star label_ENERGY STAR LABEL
CTL Configure_NECanada_CTL CONFIGURE_NECANADA
CTL seal label 25um_CTL SEAL LABEL 25UM
Energy star print label_ENERGY STAR PRINT LABEL
PKG cushion_PKG CUSHION
PKG screen film_PKG SCREEN FILM
Packing Bag_PACKING BAG
ACL Intel Pentium CPU label_ACL INTEL PENTIUM CPU LABEL
OS_DPK_PRO_ACADEMIC_STD_OS_DPK_PRO_ACADEMIC_STD
OS WIN10 EDU GML LABEL_OS WIN10 EDU GML LABEL
Office Trial 2019_1904_OFFICE TRIAL 2019_1904
WIN10 Professional for EDU_WIN10 PROFESSIONAL FOR EDU
WIN10-Skip OOBE 5x5 entry page_WIN10S-SKIP OOBE 5X5 ENTRY PAGE

ThinkPad E490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions <i>Aluminum (WxDxH):</i> 12.96" x 9.53" x 0.78"; 329mm x 242mm x 19.9mm <i>PC/ABS (WxDxH):</i> 12.96" x 9.53" x 0.83"; 329mm x 242mm x 21.9mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Weight Starting at 3.87 lb / 1.75 kg Case color Black or silver Case material <i>Display cover:</i> Aluminum or PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB				
i7-8565U	1.8 GHz			4.6 GHz	8MB					
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and AMD Radeon RX 550X Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Smart card reader None	
Chipset	Intel SoC (System on Chip) platform								Media reader MicroSD card reader	
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation</i>								Ports One USB 2.0, two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Display	Size / Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	Multi-touch	Monitor cable None Bundled Accy None	
	14.0" HD (1366x768)	Anti-glare	TN	220 nits	16:9	400:1	90°	Non-touch		
	14.0" FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	600:1	170°	Non-touch		
Multi-touch	None								Camera HD720p camera, fixed focus	
Storage	<i>Up to two drives (one M.2 SSD and one HDD)</i> • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 2 • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2								Audio support HD Audio, Synaptic® CX11880 codec / stereo speakers, 1.5W x 2, Dolby® Advanced Audio / dual array microphone, headphone / microphone combo jack	
Optane™ memory	<i>Optional:</i> Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2								Keyboard 6-row, spill-resistant, multimedia Fn keys, optional LED backlight	
Optical	None								UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								Security Power-on password, hard disk password, supervisor password, security keyhole	
WLAN + Bluetooth™	<i>One of the following, configurable by model:</i> • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card • Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Security chip <i>Integrated model:</i> discrete TPM 2.0, TCG Certified <i>Discrete model:</i> firmware TPM 2.0 integrated in chipset	
WWAN	None								System Mgt None	
SIM card	None								Fingerprint reader <i>Optional:</i> Touch style fingerprint reader on the palm rest	
									NFC None	
									Battery Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
									Max battery life <i>MobileMark® 2014:</i> 13 hr <i>* Battery life varies significantly with settings, usage, & other factors</i>	
									AC adapter 45W or 65W USB Type-C AC adapter	
									Operating system <i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64	
									Limited warranty <i>One of the following, configurable by model:</i> • 1-year mail-in repair service • 1-year depot repair service	
									Mil-Spec test MIL-STD-810G military testing	
									Environment EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant	

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

Lenovo
August 2019

ThinkPad L390 Yoga Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Smart card reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	MicroSD card reader
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Ports	Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, headphone / microphone combo jack, microSD card reader, security keyhole
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB			Monitor cable (optional)	<ul style="list-style-type: none"> USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to VGA + Power Adapter: Lenovo USB-C to VGA plus Power Adapter USB-C to HDMI: Lenovo USB-C to HDMI Adapter USB-C to HDMI + Power Adapter: Lenovo USB-C to HDMI plus Power Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter USB-C to RJ45: Lenovo USB-C to Ethernet Adapter
	i5-8365U	4	8	1.6 GHz	4.1 GHz	6MB			Bundled Accessories (optional)	<ul style="list-style-type: none"> USB-C to USB-A: Lenovo USB-C to USB-A Adapter USB-C to USB-C: Lenovo USB-C to USB-C Cable 2M
	i7-8565U	4	8	1.8 GHz	4.6 GHz	8MB			Camera	<ul style="list-style-type: none"> 720p: HD720p resolution, low light sensitive, fixed focus IR & 720p: IR camera and HD720p camera, fixed focus (black model only) World facing: 5MP resolution, auto focus (mutually exclusive with fingerprint reader)
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Audio support	HD Audio, Realtek ALC3287 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack
Chipset	Intel SoC (System on Chip) platform								Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch
Display	13.3" (338mm) FHD (1920x1080), glossy, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle								Security	Power-on password, supervisor password, system management password, hard disk password, security keyhole
Multi-touch	Capacitive-type multi-touch, AR (anti-reflection), supports 10-finger gesture								Security chip	Discrete TPM 2.0, TCG Certified
Hinge	Yoga hinge, 360 degree								System Mgt (opt)	Intel vPro Technology
Multi-mode	Notebook, stand, tent, tablet								Fingerprint reader	Optional: Touch style fingerprint reader on the palm rest (mutually exclusive with World facing camera)
Pen (optional)	ThinkPad Pen Pro, active pen for multi-touch display, on-board garage								NFC (optional)	Near Field Communication
Storage	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> M.2 SSD / SATA 6.0Gb/s M.2 (2242) SSD / PCIe NVMe, PCIe 3.0 x 2 M.2 (2280) SSD / PCIe NVMe, PCIe 3.0 x 4 Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 								Battery	Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Optane™ Memory	Optional: Intel Optane Memory H10								Max battery life	MobileMark® 2014: 12.17 hrs
Optical	None								AC adapter	45W or 65W USB Type-C AC adapter
Storage	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe) 								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
Optical	None								Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 1-year depot repair service 1-year depot with 2-year planar 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable or Lenovo USB-C to Ethernet Adapter								Mil-Spec test	MIL-STD-810G military testing
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									
WWAN	None									
Dimensions	WxDxH: 12.67" x 8.82" x 0.74"; 321.8mm x 224.2mm x 18.8mm									
Weight	Starting at 3.44 lbs / 1.56 kg									
Case color	Black or Silver									
Case material	Display cover: Magnesium / Aluminum Bottom: GFRP									

ThinkVision® S24e-10

DISPLAY

Panel Size
23.8-inch

Screen Dimensions (H x V)
527.04 x 296.46 mm

Panel Type
3-side NearEdgeless, VA

Backlight
WLED

Aspect Ratio
16:9

Resolution
1920 x 1080

Pixel Pitch (H x V)
0.2745 x 0.2745 mm

Dot/Pixel Per Inch (DPI/PPI)
92

Viewing Angle (H x V @ CR 10:1)
178°/178°

Response Time (gray to gray)
4 ms (Extreme Mode)
6 ms (Normal Mode)

Refresh Rate
60 Hz

Brightness (typical)
250 cd/m²

Contrast Ratio (typical)
3000:1

Dynamic Contrast Ratio (typical)
3M:1

Color Gamut NTSC (CIE 1931)
72% NTSC

Color Support
16.7 Million

Anti-glare
Yes

CONNECTIVITY

Video Signal
1 x VGA
1 x HDMI 1.4

Video Cable Length
1.8 m

Audio Signal
1 x Audio Out (3.5 mm)

MULTI-MEDIA

Optional Speakers Support
Yes

SPECIAL FEATURES

Sync Technology
FreeSync™

Thin Client Support (Tiny)
Yes (by VESA mount PN:4XF0N03161)

POWER

Power Consumption (Typ./Max)
24W / 31W

Power Consumption Sleep/Off Mode
< 0.3W

Power Consumption Switch-Off Mode
< 0.3W

Power Supply
Internal

Voltage Required
AC 100 to 240 V (47/63 Hz)

MECHANICAL

Tilt Angle (front/back)
-5° / 22°

VESA Mount
Yes (100 mm)

Kensington™ Lock Slot
Yes

Cable Management
Yes

Bezel Color
Raven Black

Bezel Width (Side)
2.0 mm

Bezel Width (top / bottom)
2.0 mm / 22 mm

DIMENSION

Size Packed (D x H x W) (mm/inch)
122 x 405 x 639 mm /
4.80 x 15.94 x 25.16 inches

Size Unpacked w/stand (D x H x W) (mm/inch) (Lowest Position)
200.0 x 402.7 x 539.5 mm /
7.87 x 15.85 x 21.24 inches

Size Unpacked w/stand (D x H x W) (mm/inch) (Highest Position)
200.0 x 402.7 x 539.5 mm /
7.87 x 15.85 x 21.24 inches

Size Unpacked w/o stand (D x H x W) (mm/inch) (Head Only)
41.5 x 325.7 x 539.5 mm /
1.63 x 12.82 x 21.24 inches

Min. Distance from Table to Panel (lowest pixel at bottom of screen, mm)
99.0 mm

Max. Distance from Table to Panel (highest pixel at top of screen, mm)
399.9 mm

Weight Packed (kg/lbs.)
4.84kg / 10.67 lbs.

Weight Unpacked (kg/lbs.)
3.36kg / 7.41 lbs.

Weight (Monitor Head Only) (kg/lbs.)
3.07kg / 6.77 lbs.

Full Container Load (40' STD / 20' STD)
1660 / 800 Units

WHAT'S IN THE BOX

Monitor with stand
1 x HDMI Cable
1 x Power Cable (1.8m)
Quick setup guide

CERTIFICATIONS

ENERGY STAR Rating
7.1

CCC
Yes

EPEAT™
Silver

ULE
Gold

RoHS (EU 2002/95/EC)
Yes(2011/65/EU)

Windows Certification
Windows 7, Windows 10

China Energy Efficiency Standard
Tier 2

Low Blue Light
Yes



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Contract Award 13PSX0280

UPDATED PRICING FROM EVENT HELD 8/22/19

8/30/19:

AWARD FOR **LENOVO** - PRICING FROM 8/22/19 TO 2/21/20

Desktop - SFF			
Item Name	Unit of Measure	Price	Model
Standard Configuration #2 - SFF-2 - i5 - 16GB - 256-SSD - - Optical Drive	Each	\$489.00	M720s
Warranty - 4 Year for SFF-2	Each	\$30.00	
Warranty - 5 Year for SFF-2	Each	\$60.00	
Standard Configuration #3 - SFF-3 - i7 - 32GB - 512 - - Optical Drive	Each	\$699.00	M720s
Warranty - 4 Year for SFF-3	Each	\$30.00	
Warranty - 5 Year for SFF-3	Each	\$60.00	
Laptop			
Item Name	Unit of Measure	Price	Model
Laptop - i5 - 16GB - 512-SSD - 14 inch	Each	\$569.00	E490
Accessories - Docking Station for above	Each	\$105.00	
Warranty - 4 extended warranty year for above	Each	\$45.00	
Warranty - 5 extended warranty year for above	Each	\$90.00	
	Un		
Laptop - i7 - 16GB - 512-SSD - 14 inch	Each	\$660.00	E490
Accessories - Docking Station for above	Each	\$105.00	
Warranty - 4 year extended warranty for above	Each	\$45.00	
Warranty - 5 year extended warranty for above	Each	\$90.00	
Laptop convertible i7 - 8GB - 256-SSD - 13.3 inch	Each	\$800.00	L390 Yoga
Accessories - Docking Station for above	Each	\$105.00	
Warranty - 4 year warranty for above	Each	\$59.00	
Warranty - 5 year extended warranty for above	Each	\$120.00	
Laptop #5 - Pentium N5000 - 4GB - 128-SSD - 11.6 inch	Each	\$306.00	300e

Accessories - Docking Station for above	Each	\$105.00	USB 3.0 Pro Dock
Warranty - 4 year extended warranty for above	Each	\$59.00	
Monitor			
Item Name	Unit of Measure	Price	Model
Monitor - 24 inch	Each	\$89.00	s24e