



# ThinkPad L480 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i3 / i5 Processor (i3-7130U is NOT available in US and EMEA) or	Dimensions Weight Case color Case material	<i>WxDxH:</i> 13.19" x 9.25" x 0.89"; 335mm x 235mm x 22.5mm Starting at 3.71 lb / 1.68 kg Black PC/ABS plastic																																
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-7130U</td> <td rowspan="3">2</td> <td rowspan="3">4</td> <td>2.7 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="3">DDR4-2133</td> <td rowspan="3">Intel HD Graphics 620</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>3MB</td> </tr> <tr> <td>i5-7300U</td> <td>2.6 GHz</td> <td>3.5 GHz</td> <td>3MB</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	i5-7200U	2.5 GHz	3.1 GHz	3MB	i5-7300U	2.6 GHz	3.5 GHz	3MB	Smart card reader Media reader Ports	<i>Optional:</i> Smart card reader MicroSD card reader Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole								
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i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620																												
i5-7200U			2.5 GHz	3.1 GHz	3MB																														
i5-7300U			2.6 GHz	3.5 GHz	3MB																														
	8th Generation Intel Core i3 / i5 / i7 Processor	Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter																																
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Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																												
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620																												
i5-8250U			1.6 GHz	3.4 GHz	6MB																														
i5-8350U			1.7 GHz	3.6 GHz	6MB																														
i7-8550U	4	8	1.8 GHz	4.0 GHz	8MB																														
Graphics			Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon 530, 2GB GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)	Audio support	HD Audio, Realtek ALC3287 codec, Dolby® Audio™ / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack																														
Chipset	Intel SoC (System on Chip) platform	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																																
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller	Security Security chip vPro (optional) Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology <i>Optional:</i> Touch style match on chip fingerprint reader on the keyboard bezel, anti-spoofing technology																																
Display	<i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle	NFC (optional)	Near Field Communication																																
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)	Battery	Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter																																
Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN	Max battery life	<i>MobileMark® 2014:</i> 12.2 hr * Battery life varies significantly with settings, usage, & other factors																																
Optical	None	AC adapter	45W or 65W USB Type-C AC adapter																																
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)	Preload	Windows® 10 Home 64 or Windows 10 Pro 64																																
WLAN + Bluetooth™ (optional)	<i>One of the following, configurable by model:</i> • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only) • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS	Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service																																
WWAN (optional)	<i>One of the following, configurable by model:</i> • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable	Mil-Spec test	MIL-STD-810G military certification																																
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card	Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant																																

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

Lenovo  
July 2018

ThinkPad L480 - TopSeller - 20LS

Product Specifications Reference (PSREF)

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