

ThinkPad T480 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor							Dimensions Weight	<i>WxDxH:</i> 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Processor Graphics	<i>Models</i>	<i>24Wh or 24Wh + 24Wh</i>	<i>48Wh, 72Wh, or 24Wh + 48Wh / 72Wh</i>			
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620	<i>Integrated Magnesium</i>	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg				
	i5-7300U			2.6 GHz	3.5 GHz	3MB			<i>Integrated PPS</i>	3.63 lb / 1.65 kg	4.08 lb / 1.85 kg				
	or 8th Generation Intel Core i3 / i5 / i7 Processor							Case color Case material	Black <i>Display cover:</i> Magnesium Hybrid or PPS; <i>Bottom:</i> Glass-Fiber Reinforced Plastic						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Processor Graphics	<i>Smart card reader</i>	<i>Optional:</i> Smart card reader				
	i3-8130U	4	8	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	<i>Media reader</i>	4-in-1 reader (MMC, SD, SDHC, SDXC)					
	i5-8250U			1.6 GHz	3.4 GHz	6MB			Two USB 3.1 Gen 1 (one Always On),						
	i5-8350U			1.7 GHz	3.6 GHz	6MB			one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort),						
	i7-8550U			1.8 GHz	4.0 GHz	8MB			one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP),						
	i7-8650U			1.9 GHz	4.2 GHz	8MB			HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models),						
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX150, 2GB GDDR5 memory <i>(discrete graphics is available only on i7 models in EMEA);</i> supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							Ports	headphone / microphone combo jack, optional smart card reader, 4-in-1 media reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>						
									<i>Monitor cable (optional)</i>	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter					
Chipset	Intel SoC (System on Chip) platform							Camera <i>(optional)</i>	<i>One of the following, configurable by model:</i>						
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* System clocks down for processors with lower memory controller</i>									• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus					
Display	<i>Some:</i>	14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio						Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone (for special bid model, microphone is optional), headphone / microphone combo jack						
	<i>Some:</i>	14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle							Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight					
	<i>Some:</i>	14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad				
Multi-touch <i>(opt)</i>	On-cell touch, supports 10-finger gesture (FHD only)							Security	Power-on password, hard disk password, supervisor password, security keyhole						
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 <i>Some:</i> 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, in WWAN slot as 2nd Storage, mutually exclusive with WWAN <i>* Installed M.2 SSD is PCIe 3.0 x 4 but run at PCIe 3.0 x 2 due to M.2 SSD adapter limitation</i>							Security chip	Discrete TPM 2.0, TCG Certified (may be disabled in some region)						
Optane™ memory	Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2							vPro <i>(optional)</i>	Intel vPro Technology						
Optical	None							Fingerprint reader	<i>Optional:</i> Touch style match on chip fingerprint reader on the keyboard bezel, anti-spoofing technology						
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)							NFC <i>(optional)</i>	Near Field Communication						
WLAN + Bluetooth™ <i>(opt)</i>	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card <i>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS</i>							Battery	Optional integrated Li-ion 24Wh battery and external Li-ion 24Wh, 48Wh, or 72Wh battery						
WWAN <i>(optional)</i>	<i>One of the following, configurable by model (mutually exclusive with Intel Optane memory):</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>							Max battery life <i>(MobileMark® 2014)</i>	<i>Models</i>	<i>24Wh</i>	<i>48Wh</i>	<i>72Wh</i>	<i>24Wh + 24Wh</i>	<i>24Wh + 48Wh</i>	<i>24Wh + 72Wh</i>
SIM card <i>(opt)</i>	Nano-SIM card slot, optional Verizon LTE (US) SIM card								<i>Integrated model</i>	7.2 hr	14.4 hr	21.8 hr	14.4 hr	21.8 hr	29.0 hr
								AC adapter	<i>Discrete model</i>	6.6 hr	13.2 hr	19.8 hr	13.6 hr	19.8 hr	26.4 hr
								Operating system	<i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64						
								Limited warranty <i>(optional)</i>	<ul style="list-style-type: none"> • 1-year/3-yr battery depot repair service • 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/3-yr battery depot repair service • 3-year/1-yr battery limited onsite service • 3-year/3-yr battery limited onsite service 						
								Mil-Spec test	MIL-STD-810G military testing						
								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant						

Note: The specifications above may not be available in all regions and might change by regions.

Lenovo
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