ThinkPad T480 Platform Specifications												
Processor	7th Generation Intel <sup>®</sup> Core™ i5 Processor											
	Processor # of Number Cores		# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics				
	i5-7200U i5-7300U	2	4	2.5 GHz 2.6 GHz	3.1 GHz 3.5 GHz	3MB 3MB	DDR4-2133	Intel HD Graphics 620				
		neratio	n Intel Co	ore i3 / i5 / i			<u> </u>					
	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	Турсо	Chapmos				
	i5-8250U			1.6 GHz	3.4 GHz	6MB	1	Intel UHD Graphics				
	i5-8350U			1.7 GHz	3.6 GHz	6MB	DDR4-2400					
	i7-8550U	4	8	1.8 GHz	4.0 GHz	8MB		620				
	i7-8650U			1.9 GHz	4.2 GHz	8MB						
Chinast	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX150, 2GB GDDR5 memory (discrete graphics is available only on i7 models in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)											
Chipset Memory	Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller											
Display	Some:       14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio         Some:       14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle         Some:       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											
Multi-touch (opt)	On-cell to	uch, su	pports 1	0-finger ge	sture (FHD	only)						
Storage Optane™ memory Optical	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4 Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, in WWAN slot as 2nd Storage, mutually exclusive with WWAN * 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 ry Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2 None											
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)											
WLAN + Bluetooth™ <i>(opt)</i>	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											
<ul> <li>WWAN (optional) One of the following, configurable by model (mutually exclusive with Intel Optane memory):</li> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card</li> <li>* For non-WWAN model, it means the model is NOT WWAN upgradable</li> <li>SIM card (opt)</li> </ul>												

Dimensions	WxDxH:	13.25" x 9	.15" x 0.79	": 336.	.6mm	x 232.5r	nm x 19.95mm	ı			
Weight	Models		24Wh or 2	4Wh + 24	4Wh	48Wh, 72	Wh, or 24Wh +	48Wh / 72Wh			
	Integrated Magnesium		3.49 lb / 1.58 kg		3.92 lb / 1.78 kg						
	Integrated PPS		3.63 lb / 1.65 kg		4.08 lb / 1.85 kg						
	Discrete Magnesium		3.53 lb / 1.60 kg		3.97 lb / 1.80 kg						
	Discrete PPS		3.68 lb / 1.67 kg		1	4.12 lb / 1.87 kg					
Case color	Black										
Case material	Display cover: Magnesium Hybrid or PPS; Bottom: Glass-Fiber Reinforced Plastic										
Smart card reader Optional: Smart card reader											
Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC)										
FULS	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and Displa										
	one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP),										
	HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 media reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole										
	* Depending on many factors, actual data transfer speed may be lower than theoretical speed										
Monitor cable	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter										
(optional)					yPort	Adapter					
Camera (optional)											
	HD720p camera with ThinkShutter camera privacy, fixed focus										
Audio support	• IR camera and HD720p camera, fixed focus HD Audio, Realtek <sup>®</sup> ALC3287 codec /										
	stereo spea	reo speakers, 2W x 2, Dolby <sup>®</sup> Audio™Premium /									
					odel,	micropho	one is optional	),			
	headphone / microphone combo jack										
Keyboard UltraNav™	6-row, spill-resistant, multimedia En keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad										
Security	Power-on p	assword, ł	ard disk p	assword	, sup	ervisor pa	assword, secu	rity keyhole			
Security chip	Discrete TPM 2.0, TCG Certified (may be disabled in some region)										
vPro <i>(optional)</i>		Intel vPro Technology V Optional: Touch style match on chip fingerprint reader on the keyboard bezel,									
		anti-spoofin			or prin	it reader	on the Reyboa	10 00201,			
NFC (optional)	Near Field			0,							
Battery	Optional in	tegrated Li	ion 24Wh	battery a	and						
	external Li-	ion 24Wh,	48Wh, or 7	72Wh ba	attery						
Max battery life ( <i>MobileMark</i> ® 2014)	Models	24W	h 48Wh	72Wh	24W	h + 24Wh	24Wh + 48Wh	24Wh + 72Wh			
	megrateun					4.4 hr	21.8 hr	29.0 hr			
	Discrete mo		-			3.6 hr	19.8 hr	26.4 hr			
AC adapter	* Battery life varies significantly with hardware configurations, settings, usage, & other factors 45W or 65W USB-C AC adapter										
Operating system	Optional: V	Vindows <sup>®</sup> 1	0 Home 6	4 or Win	dows	10 Pro 6	4				
Limited warranty				r service	)						
(optional)		pot repair									
		pot with 2-			repa	Ir service					
	<ul> <li>1-year + 2-year depot repair service</li> <li>1-year + 2-year limited onsite service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/3-yr battery limited onsite service</li> <li>3-year/3-yr battery limited onsite service</li> <li>3-year/3-yr battery limited onsite service</li> </ul>										
Mil-Spec test	MIL-STD-8	<u>, , , , , , , , , , , , , , , , , , , </u>		10 301 110							
				27 614	D8 6 -		ompliant				
Environment	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.