

ThinkPad T580 20L9001Y++

Region	Keyboard
EMEA	Backlit
Machine Type	Fingerprint Reader
20L9	Fingerprint Reader
TopSeller	NFC
TopSeller	None
Processor	TPM
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)	dTPM 2.0
vPro	Battery
No	4-cell (32Wh) + 3-cell (24Wh)
Graphics	Power Adapter
Integrated Intel UHD Graphics 620	65W USB-C
Memory	Operating System
8GBx1	Windows 10 Pro 64
Display	Warranty
15.6" FHD (1920x1080) IPS	3-year, Depot
Multi-touch	End of Support
None	Mar 6, 2024
Storage	Ann Date (mm/yy)
256GB SSD M.2 PCIe NVMe Opal2	02/18
Optical	
None	
WLAN + Bluetooth	
Intel 8265 ac, 2x2 + BT4.1	
WWAN	
None	
SIM Card	
None	
Smart Card Reader	
Smart Card Reader	
Monitor Cable	
None	
Camera	
720p	

Keyboard	
Backlit	
Fingerprint Reader	
Fingerprint Reader	
NFC	
None	
TPM	
dTPM 2.0	
Battery	
4-cell (32Wh) + 3-cell (24Wh)	
Power Adapter	
65W USB-C	
Operating System	
Windows 10 Pro 64	
Warranty	
3-year, Depot	
End of Support	
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02/18	



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Note:
Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

ThinkPad T580 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor								Dimensions Weight Case color Case material	WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm <i>Integrated model:</i> starting at 4.29 lb / 1.95 kg; <i>Discrete model:</i> starting at 4.39 lb / 1.99 kg Black Display cover: Glass-Fiber Reinforced Plastic (PPS); Bottom: Glass-Fiber Reinforced Plastic																					
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																							
or 8th Generation Intel Core i5 / i7 Processor																															
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																							
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620																							
	i5-7300U			2.6 GHz	3.5 GHz	3MB																									
Graphics																															
Chipset Memory	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; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Smart card reader Media reader Ports Monitor cable (optional)	Optional: Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter																					
	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: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle								Camera (optional) Audio support Keyboard Security Security chip vPro (optional) Fingerprint reader NFC (optional)	One of the following, configurable by model: <ul style="list-style-type: none">• HD720p camera with ThinkShutter camera privacy, fixed focus• IR camera and HD720p camera, fixed focus HD Audio, Realtek® ALC3287 codec, Dolby® Audio™ Premium / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack																					
	Multi-touch (opt) On-cell touch, supports 10-finger gesture (FHD only)									6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																					
Storage	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 x4, 32Gb/s Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN Some: 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as storage cache for HDD, mutually exclusive with WWAN								Max battery life (MobileMark® 2014) AC adapter Preload Limited warranty Mil-Spec test	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology Near Field Communication																					
	Optical None									Optional integrated Li-Ion 32Wh battery and external Li-Ion 24Wh, 48Wh, or 72Wh battery Models 24Wh 48Wh 72Wh 32Wh + 24Wh 32Wh + 48Wh 32Wh + 72Wh Max battery life 5.8 hr 12.5 hr 18.1 hr 13.8 hr 20.3 hr 26.1 hr																					
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								* Battery life varies significantly with settings, usage, & other factors AC adapter Preload Limited warranty Mil-Spec test	* Battery life varies significantly with settings, usage, & other factors 45W or 65W USB Type-C AC adapter Windows® 10 Home 64 or Windows 10 Pro 64 One of the following, configurable by model: <ul style="list-style-type: none">• 1-year depot repair service• 3-year/1-yr battery depot repair service• 3-year/1-yr battery limited onsite service MIL-STD-810G military certification																					
	WLAN + Bluetooth™ 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									EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant																					
WWAN (optional) One of the following, configurable by model:																															
SIM card (opt) Nano-SIM card slot, optional Verizon LTE (US) SIM card																															



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