

## ThinkPad T580 Platform Specifications

Processor	7th Generation Intel® Core™ i5 Processor	Dimensions WxDxH: 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm
	Processor # of # of Base Max Turbo Cache Memory Processor	Weight Integrated model: starting at 4.29 lb / 1.95 kg; Discrete model: starting at 4.39 lb / 1.99 kg
	Number Cores Threads Frequency Frequency Types Graphics i5-7200U 2.5 GHz 3.1 GHz 3MB REPLACES Intel HD Graphics	Case color Black
	i5-7300U 2 4 2.5 GHz 3.5 GHz 3MB DDR4-2133 Intel HD Graphics 620	Case material Display cover: Glass-Fiber Reinforced Plastic (PPS); Bottom: Glass-Fiber Reinforced Plastic
	or 8th Generation Intel Core i5 / i7 Processor	Smart card reader Optional: Smart card reader
	Processor         # of Number         # of Cores         # of Threads         Base Frequency         Max Turbo Frequency         Cache         Memory Types         Processor Graphics	Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Ports Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1,
	i5-8250U 1.6 GHz 3.4 GHz 6MB	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,
	i5-8350U	optional smart card reader, 4-in-1 réader (MMC, SD, SDHC, SDXC),
	1.8 GHZ	side docking connector, security keyhole  Monitor cable HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or	(optional) USB-C to DP: Lenovo USB-C to DisplayPort Adapter
	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and	Camera (optional) One of the following, configurable by model:
	NVIDIA® GeForce® MX150, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C;	<ul> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera, fixed focus</li> </ul>
	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, numeric keypad, optional LED backlight
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller	UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Display	Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,	Security Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified
Diopiay	250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle	vPro (optional) Intel vPro Technology
	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	Fingerprint reader <i>Optional</i> : Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)	NFC (optional) Near Field Communication
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™	Battery Optional integrated Li-Ion 32Wh battery and external Li-Ion 24Wh, 48Wh, or 72Wh battery
	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)	Max battery life   Models   24Wh   48Wh   72Wh   32Wh + 24Wh   32Wh + 48Wh   32Wh + 72Wh
	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,	(MobileMark® 2014) Max battery life 5.8 hr 12.5 hr 18.1 hr 13.8 hr 20.3 hr 26.1 hr
	in WWAN slot as 2nd Storage, mutually exclusive with WWAN	* Battery life varies significantly with settings, usage, & other factors AC adapter 45W or 65W USB Type-C AC adapter
	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	Preload Windows® 10 Home 64 or Windows 10 Pro 64
Optical	None	Limited warranty One of the following, configurable by model:
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)	<ul> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> </ul>
WLAN +	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card	3-year/1-yr battery limited onsite service
Bluetooth™	* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS	Mil-Spec test MIL-STD-810G military certification
WWAN (optional)	One of the following, configurable by model:  Integrated Mobile Broadband 4G LTE.	Environment EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant
	Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)	
	<ul> <li>Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card</li> </ul>	
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card	
		Lenovo