

ThinkPad E580 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th or 8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions Weight Case color Case material Camera Audio support	<i>Aluminum (WxDxH):</i> 14.53" x 9.92" x 0.78" 369mm x 252mm x 19.95mm From 4.7 lb (2.1kg) <i>LCD Rear:</i> Black or Silver <i>Base Cover:</i> Black or Silver <i>Top Cover:</i> Black or Silver Aluminum display cover HD720p resolution, fixed focus HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Controller	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				
	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				
i7-8550U	4	8	1.8 GHz	4.0 GHz	8MB	DDR4-2400				
* i3-7130U is not available in EMEA and US										
Graphics	Intel HD Graphics in processor only, or AMD Radeon RX 550 Graphics, 2GB DDR5 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent displays; Max resolution: 1920x1080 (HDMI)@60Hz								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight
Memory	32GB max / 2400MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets * System clocks down for processors with lower memory controller								UltraNav™ ThinkLight™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None
Display	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio								Fingerprint reader	Some: Touch style fingerprint reader on the palm rest
Multi-touch	None								NFC	None
Storage	Up to 2 drives (one M.2 SSD and one HDD) Some: M.2 SSD / PCIe NVMe Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ Some: Dummy HDD								Security	Power-on password, hard disk password, supervisor password, security keyhole
Optical	None								Security chip	fTPM2.0: Firmware TPM 2.0, integrated in chipset dTPM2.0: Discrete TPM 2.0, TCG Certified
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								vPro	No
WLAN	One of the following, configurable by model: • Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Realtek RTL8821CE, Wi-Fi 1x1 802.11ac + BT4.1, M.2 card								Battery type	45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery life	up to 12.23 hr
WWAN	None								AC adapter	45W or 65W USB Type-C AC adapter
SIM card	None								Preload	Some: Windows 10 Pro 64 Some: Windows 10 Home 64 • Lenovo Companion • PC Manager • Microsoft Office preloaded; purchase a product key to activate • McAfee® Live Safe (30-day trial) Some: No operating system
Smart Card Reader	None								Limited warranty	1-year - depot repair service / service upgrades available
ExpressCard	None								Mil-Spec test	MIL-STD-810G military certification
Dock	None								Environment	ENERGY STAR®; RoHS-compliant
Multicard Reader	Micro SD card reader									
Ports	Two USB 3.1 (one Always On), one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), One USB 3.1 Type-C Gen 2 (support data, video, and power delivery)									
Monitor cable	None									