

# ThinkPad E580 20KS003NUS

**Region**  
US

**Machine Type**  
20KS

**TopSeller**  
TopSeller

**Processor**  
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

**vPro**  
No

**Graphics**  
Integrated Intel UHD Graphics 620

**Memory**  
8GBx1

**Display**  
15.6" FHD (1920x1080) IPS

**Multi-touch**  
None

**Storage**  
256GB SSD M.2 PCIe NVMe Opal2

**Optical**  
None

**WLAN + Bluetooth**  
RTL8822BE, 2x2 + BT4.1

**WWAN**  
None

**SIM Card**  
None

**Color**  
Silver

**Case Material**  
Aluminum

**Camera**  
720p

**Keyboard**  
Non-backlit

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
None

**TPM**  
dTPM 2.0

**Battery**  
45Wh

**Power Adapter**  
65W USB-C

**Operating System**  
Windows 10 Pro 64

**Warranty**  
1-year, Depot

**Global**  
No

**End of Support**  
Feb 9, 2024

**Ann Date (mm/yy)**  
01/18

**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



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# ThinkPad E580 Platform Specifications

Product Specifications Reference (PSREF)



Processor	7th or 8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	<i>Aluminum (WxDxH):</i> 14.53" x 9.92" x 0.78" 369mm x 252mm x 19.95mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Controller	Processor Graphics	Weight	From 4.7 lb (2.1kg)	
	i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	Case color	<i>LCD Rear:</i> Black or Silver <i>Base Cover:</i> Black or Silver <i>Top Cover:</i> Black or Silver	
	i5-7200U			2.5 GHz	3.1 GHz	3MB			Aluminum display cover		
	i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Camera	HD720p resolution, fixed focus	
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Audio support		HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack		
i7-8550U			1.8 GHz	4.0 GHz	8MB		<i>* i3-7130U is not available in EMEA and US</i>				
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 <i>* System clocks down for processors with lower memory controller</i>								UltraNav™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad	
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								ThinkLight™	None	
Multi-touch	None								Fingerprint reader	<i>Some:</i> Touch style fingerprint reader on the palm rest	
Storage	Up to 2 drives (one M.2 SSD and one HDD) <i>Some:</i> M.2 SSD / PCIe NVMe <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> Dummy HDD								NFC	None	
Optical	None								Security	Power-on password, hard disk password, supervisor password, security keyhole	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								Security chip	<i>fTPM2.0:</i> Firmware TPM 2.0, integrated in chipset <i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified	
WLAN	<i>One of the following, configurable by model:</i> • 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								vPro	No	
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Battery type	45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
WWAN	None								Battery life	up to 12.23 hr	
SIM card	None								AC adapter	45W or 65W USB Type-C AC adapter	
Smart Card Reader	None								Preload	<i>Some:</i> Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 • Lenovo Companion • PC Manager • Microsoft Office preloaded; purchase a product key to activate • McAfee® Live Safe (30-day trial) <i>Some:</i> No operating system	
ExpressCard	None								Limited warranty	1-year - depot repair service / service upgrades available	
Dock	None								Mil-Spec test	MIL-STD-810G military certification	
Multicard Reader	Micro SD card reader								Environment	ENERGY STAR®; RoHS-compliant	
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										

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