

# ThinkPad E580 20KS001F++

Region  
EMEA

Machine Type  
20KS

TopSeller  
TopSeller

Processor  
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

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  
Intel 3165 ac, 1x1 + 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  
Jan 26, 2024

Ann Date (mm/yy)  
12/17

## 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 Weight Case color	<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
	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 610		
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620		
	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 * System clocks down for processors with lower memory controller								UltraNav™ ThinkLight™	TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None
									Fingerprint reader	<i>Some:</i> Touch style fingerprint reader on the palm rest 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								Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole <i>fTPM2.0:</i> Firmware TPM 2.0, integrated in chipset <i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified
									vPro	No
Multi-touch	None								Battery type	45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
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								Battery life	up to 12.23 hr
									AC adapter	45W or 65W USB Type-C AC adapter
Optical	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
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS								Limited warranty	<b>1-year</b> - depot repair service / service upgrades available
WLAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card</li><li>• Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card</li><li>• Realtek RTL8821CE, Wi-Fi 1x1 802.11ac + BT4.1, M.2 card</li></ul> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Mil-Spec test	None
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Environment	ENERGY STAR®; RoHS-compliant
WWAN	None									
SIM card	None									
Smart Card Reader	None									
ExpressCard	None									
Dock	None									
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									

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