

ThinkPad E580 20KS003LUS

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
500GB 7200rpm

Optical
None

WLAN + Bluetooth
11ac, 2x2 + BT4.1

WWAN
None

SIM Card
None

Color
Black

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

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 Generation Intel® Core™ i3 / i5 Processor (i3-7130U is NOT available in US and EMEA) or							Dimensions	WxDxH: 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 Types	Processor Graphics	Weight	Starting at 4.7 lb / 2.1kg
	i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	Case color	Black or silver
	i3-7130U			2.7 GHz	-	3MB			Case material	Display cover: Aluminum; Bottom: PC/ABS plastic
	i5-7200U			2.5 GHz	3.1 GHz	3MB			Smart card reader	None
	8th Generation Intel Core i3 / i5 / i7 Processor							Media reader	MicroSD card reader	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Ports	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole
	i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	Camera	HD720p camera, fixed focus
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB			Audio support	HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack
	i7-8550U			1.8 GHz	4.0 GHz	8MB			Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight
Graphics	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 AMD Radeon RX 550 Graphics, 2GB DDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad	
Chipset	Intel SoC (System on Chip) platform							Security	Power-on password, hard disk password, supervisor password, security keyhole	
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							Security chip (opt)	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified vPro	
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	Optional: 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: HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ Some: M.2 SSD / PCIe NVMe							Battery	Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
Optical	None							Max battery life	MobileMark® 2014: 12.23 hr * Battery life varies significantly with settings, usage, & other factors	
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS							AC adapter	45W or 65W USB Type-C AC adapter	
WLAN + Bluetooth™	One of the following, configurable by model: • Realtek® RTL8821CE, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card • Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + Bluetooth 4.1, M.2 Card * Intel 3165ac card supports BT4.2 but is limited to BT4.1 by Windows OS							Preload (optional)	Windows® 10 Home 64 or Windows 10 Pro 64	
WWAN	None							Limited warranty	1-year depot repair service	
SIM card	None							Mil-Spec test	MIL-STD-810G military certification	
								Environment	ENERGY STAR® 6.1; RoHS-compliant	

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