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

Processor	7th Generation Intel® Core™ i3 / i5 Processor *(i3-7130U is NOT available in US and EMEA)* or

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7020U			2.3 GHz	-	3MB		
i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		

8th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB		
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		

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
Chipset	Intel SoC (System on Chip) platform
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller
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
Multi-touch	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
Optical	None
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS
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
WWAN	None
SIM card	None

Dimensions	*WxDxH:* 14.53" x 9.92" x 0.78"; 369mm x 252mm x 19.95mm
Weight	Starting at 4.7 lb / 2.1kg
Case color	Black or silver
Case material	*Display cover:* Aluminum; *Bottom:* PC/ABS plastic
Smart card reader	None
Media reader	MicroSD card reader
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
Camera	HD720p camera, fixed focus
Audio support	HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip *(opt)*	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified
vPro	None
Fingerprint reader	*Optional:* Touch style fingerprint reader on the palm rest
NFC	None
Battery	Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
Max battery life	*MobileMark® 2014:* 12.23 hr * Battery life varies significantly with settings, usage, & other factors
AC adapter	45W or 65W USB Type-C AC adapter
Preload *(optional)*	Windows® 10 Home 64 or Windows 10 Pro 64
Limited warranty	1-year depot repair service
Mil-Spec test	MIL-STD-810G military certification
Environment	ENERGY STAR® 6.1; RoHS-compliant

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