ThinkPad E580 20KS001E++

Region
EMEA

Machine Type
20KS

TopSeller
TopSeller

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

vPro
No

Graphics
AMD Radeon RX 550 2GB

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
Backlit

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
FW TPM 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

Processor	7th or 8th Generation Intel® Core™ i3 / i5 / i7 Processor

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	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	
i7-8550U			1.8 GHz	4.0 GHz	8MB		

* 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
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
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:* M.2 SSD / PCIe NVMe *Some:* HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ *Some:* Dummy HDD
Optical	None
Ethernet	Gigabit Ethernet Connection, Realtek R8111GUS
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
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
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

Dimensions **Weight** **Case color** **Case material**	*Aluminum (WxDxH):* 14.53" x 9.92" x 0.78" 369mm x 252mm x 19.95mm From 4.7 lb (2.1kg) *LCD Rear :* Black or Silver *Base Cover:* Black or Silver *Top Cover:* Black or Silver Aluminum display cover
Camera **Audio support**	HD720p resolution, fixed focus HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack
Keyboard **UltraNav™** **ThinkLight™**	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None
Fingerprint reader **NFC** **Security** **Security chip** **vPro**	*Some:* Touch style fingerprint reader on the palm rest None Power-on password, hard disk password, supervisor password, security keyhole *fTPM2.0:* Firmware TPM 2.0, integrated in chipset *dTPM2.0:* Discrete TPM 2.0, TCG Certified No
Battery type **Battery life** **AC adapter**	45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter up to 12.23 hr 45W or 65W USB Type-C AC adapter
Preload	*Some:* Windows 10 Pro 64 *Some:* No operating system *Some:* Windows 10 Home 64 • Lenovo Companion • PC Manager • Microsoft Office preloaded; purchase a product key to activate • McAfee® Live Safe (30-day trial)
Limited warranty	**1-year** - depot repair service / service upgrades available
Mil-Spec test	MIL-STD-810G military certification
Environment	ENERGY STAR®; RoHS-compliant

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