

# ThinkPad E580 20KS003A++

Region  
EMEA

Machine Type  
20KS

TopSeller  
TopSeller

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

vPro  
No

Graphics  
AMD Radeon RX 550 2GB

Memory  
8GBx1

Display  
15.6" FHD (1920x1080) IPS

Multi-touch  
None

Storage  
1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2

Optical  
None

WLAN + Bluetooth  
Intel 3165 ac, 1x1 + BT4.1

WWAN  
None

SIM Card  
None

Color  
Black

Case Material  
Aluminum

Camera  
720p

Keyboard  
Non-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

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# ThinkPad E580 Platform Specifications

Product Specifications Reference (PSREF)

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |                   |                        |                                                                                |                                                                                                                                                                                                                                                                       |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|---------------------|-------|-------------------|------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                                         | 7th or 8th Generation Intel® Core™ i3 / i5 / i7 Processor                                                                                                                                                                                                                                                                                                                            |            |              |                |                     |       |                   |                        | Dimensions<br>Weight<br>Case color<br>Case material<br>Camera<br>Audio support | <i>Aluminum (WxDxH):</i> 14.53" x 9.92" x 0.78" 369mm x 252mm x 19.95mm<br>From 4.7 lb (2.1kg)<br><i>LCD Rear:</i> Black or Silver<br><i>Base Cover:</i> Black or Silver<br><i>Top Cover:</i> Black or Silver<br>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 620 |                                                                                |                                                                                                                                                                                                                                                                       |
|                                                   | i5-8250U                                                                                                                                                                                                                                                                                                                                                                             | 4          | 8            | 1.6 GHz        | 3.4 GHz             | 6MB   | DDR4-2400         |                        |                                                                                |                                                                                                                                                                                                                                                                       |
|                                                   | 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<br>UltraNav™<br>ThinkLight™                                                                                                                                                        |
| Memory                                            | 32GB max / 2400MHz DDR4, non-parity, dual-channel capable, two 260-pin SO-DIMM sockets<br>* System clocks down for processors with lower memory controller                                                                                                                                                                                                                           |            |              |                |                     |       |                   |                        | Fingerprint reader                                                             | <i>Some:</i> Touch style fingerprint reader on the palm rest                                                                                                                                                                                                          |
| Display                                           | Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio                                                                                                                                                                                                                                                                      |            |              |                |                     |       |                   |                        | NFC                                                                            | None                                                                                                                                                                                                                                                                  |
|                                                   | Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio                                                                                                                                                                                                                                                               |            |              |                |                     |       |                   |                        | Security                                                                       | Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                                                                                          |
| Multi-touch                                       | None                                                                                                                                                                                                                                                                                                                                                                                 |            |              |                |                     |       |                   |                        | Security chip                                                                  | <i>fTPM2.0:</i> Firmware TPM 2.0, integrated in chipset<br><i>dTPM2.0:</i> Discrete TPM 2.0, TCG Certified                                                                                                                                                            |
| Storage                                           | Up to 2 drives (one M.2 SSD and one HDD)<br><i>Some:</i> M.2 SSD / PCIe NVMe<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™<br><i>Some:</i> Dummy HDD                                                                                                                                                                               |            |              |                |                     |       |                   |                        | vPro                                                                           | No                                                                                                                                                                                                                                                                    |
| Optical                                           | None                                                                                                                                                                                                                                                                                                                                                                                 |            |              |                |                     |       |                   |                        | Battery type                                                                   | 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter                                                                                                                                                                          |
| Ethernet                                          | Gigabit Ethernet Connection, Realtek R8111GUS                                                                                                                                                                                                                                                                                                                                        |            |              |                |                     |       |                   |                        | Battery life                                                                   | up to 12.23 hr                                                                                                                                                                                                                                                        |
| 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 |            |              |                |                     |       |                   |                        | AC adapter                                                                     | 45W or 65W USB Type-C AC adapter                                                                                                                                                                                                                                      |
| Bluetooth™                                        |                                                                                                                                                                                                                                                                                                                                                                                      |            |              |                |                     |       |                   |                        | Preload                                                                        | <i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64 <ul style="list-style-type: none"><li>Lenovo Companion</li><li>PC Manager</li><li>Microsoft Office preloaded; purchase a product key to activate</li><li>McAfee® Live Safe (30-day trial)</li></ul> |
| WWAN                                              | None                                                                                                                                                                                                                                                                                                                                                                                 |            |              |                |                     |       |                   |                        | Limited warranty                                                               | <b>1-year</b> - depot repair service / service upgrades available                                                                                                                                                                                                     |
| SIM card                                          | None                                                                                                                                                                                                                                                                                                                                                                                 |            |              |                |                     |       |                   |                        | Mil-Spec test                                                                  | MIL-STD-810G military certification                                                                                                                                                                                                                                   |
| Smart Card Reader                                 | None                                                                                                                                                                                                                                                                                                                                                                                 |            |              |                |                     |       |                   |                        | Environment                                                                    | ENERGY STAR®; RoHS-compliant                                                                                                                                                                                                                                          |
| 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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