ThinkPad E580 Platform Specifications

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

<table>
<thead>
<tr>
<th>Processor</th>
<th># of Cores</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Controller</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>i3-7130U</td>
<td>2</td>
<td>4</td>
<td>2.7 GHz</td>
<td>-</td>
<td>3MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>i5-7200U</td>
<td>2</td>
<td>4</td>
<td>2.5 GHz</td>
<td>3.1 GHz</td>
<td>3MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 620</td>
</tr>
<tr>
<td>i5-8250U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>3.4 GHz</td>
<td>4MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 620</td>
</tr>
</tbody>
</table>

* 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

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™ 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN None

Smart Card Reader None

ExpressCard None

Dock None

Multicard Reader Ports 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 Aluminum (WxDxH): 14.53" x 9.92" x 0.78" 369mm x 252mm x 19.95mm

Weight From 4.7 lb (2.1kg)

Case color Black or Silver

LCD Rear: Black or Silver

Case material Aluminum display cover

Camera HD720p resolution, fixed focus

Audio support HD Audio, Conexant™ CX11852 codec, Dolby® Advanced Audio / stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight

UltraNav™ TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™ None

Fingerprint reader Some: Touch style fingerprint reader on the palm rest

NFC None

Security Power-on password, hard disk password, supervisor password, security keyhole

Security chip TPM2.0: Firmware TPM 2.0, integrated in chipset

tPM2.0: Discrete TPM 2.0, TCG Certified

vPro No

Battery type 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter

Battery life up to 12.23 hr

AC adapter 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