### ThinkPad L580 Platform Specifications

**Product Specifications Reference (PSREF)**

**Notes:** The specifications above may not be available in all regions.

#### Processor

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Processor Graphics</th>
<th>Number of Cores</th>
<th>Number of Threads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel® Celeron™</td>
<td>2</td>
<td>2.2 GHz</td>
<td>-</td>
<td>2MB</td>
<td>DDR4-2133</td>
<td>Intel HD Graphics 610</td>
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<td></td>
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<tr>
<td>Intel® G4560</td>
<td>4</td>
<td>3.5 GHz</td>
<td>-</td>
<td>3MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 620</td>
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*8th Generation Intel Core i3 / i5 / i7 Processor*

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<td>3MB</td>
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<td>Intel HD Graphics 620</td>
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<td>i5-7200U</td>
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#### Graphics

- Intel HD Graphics 610, 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon 530, 2GB GDDR5 memory (discrete models are NOT available in EMEA);
- supports external display on via HDMI or USB Type-C;
- supports three independent displays;
- supports external digital monitor via HDMI or USB Type-C;
- one of the following, configurable by model:
  - NVIDIA GeForce MX130, 2GB GDDR5 memory
  - NVIDIA GeForce MX110, 2GB GDDR5 memory
- Max resolution: 4096 x 2304@60Hz (USB Type-C); 4096 x 2160@30Hz (HDMI)
- supports three independent displays;
- supports external digital monitor via HDMI or USB Type-C;
- (discrete models are NOT available in EMEA);
- Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and
  - 8th Generation Intel Core i3 / i5 Processor

#### Chipset

- Intel SoC (System on Chip) platform
- *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, 500:1 contrast ratio
- Some: 15.6” (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle

#### Storage

- System has one HDD slot or one M.2 2280 slot exclusively for storage
- Some: HDD / SATA 6.0GB/s, 2.5” wide, 7mm high, Active Protection System™
- Some: SSD / SATA 6.0GB/s, 2.5” wide, 7mm high (e.g. xxxGB SSD)
- Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16GB/s
- Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16GB/s, in WWAN slot as 2nd storage, mutually exclusive with WWAN

#### Optane™ memory

- None

#### Optical

- None

#### Ethernet

- Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
- vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

#### WLAN + Bluetooth™ (optional)

- One of the following, configurable by model:
  - Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only)
  - Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card
  - Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS

**WWAN (optional)**

- One of the following, configurable by model:
  - Integrated Mobile Broadband 4G LTE-A,
  - Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)
  - Intel XMM™ 7360 (Fibocom L850-GL), M.2 card
  - *For non-WWAN model, it means the model is NOT WWAN upgradeable*  
  - Nano-SIM card slot, optional Verizon LTE (US) SIM card

**Dimensions**

- WxDxH: 14.82” x 10.02” x 0.90”; 376.5mm x 254.5mm x 22.95mm
- Starting at 4.46 lb / 2.0 kg

**Weight**

- None

**Case color**

- Black

**Case material**

- PC/ABS plastic

**ExpressCard**

- None

**Smart card reader**

- Optional: Smart card reader

**Media reader**

- MicroSD card reader

**Ports**

- Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C (Gen 1 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole

**Monitor cable (optional)**

- USB-C to VGA: Lenovo USB-C to VGA Adapter

**Camera (optional)**

- HD720p camera, fixed focus

**Audio support**

- HD Audio, Realtek ALC3287 codec /
- stereo speakers, 2W x 2, Dolby Audio™ / dual array microphone, headphone / microphone combo jack

**Keyboard**

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

**Security**

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

**Security chip**

- Discrete TPM 2.0, TCG Certified

**Fingerprint reader**

- Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology

**Multi-touch panel**

- None

**Audio**

- None

**Fingerprint reader**

- Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology

**NFC (optional)**

- Near Field Communication

**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**

- *Battery life varies significantly with settings, usage, & other factors*

**AC adapter**

- 45W or 65W USB Type-C AC adapter

**Preload**

- Windows® 10 Home 64 or Windows 10 Pro 64

**Limited warranty**

- One of the following, configurable by model:
  - 3-year / 1-yr battery limited onsite service
  - 1-year depot repair service
  - 3-year / 1-yr battery depot repair service
  - 3-year / 1-yr battery limited onsite service

**Environmental**

- EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

**Note:** Lenovo operates pursuant to federal, state, and local laws, policies, and regulations.

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**April 2019**