### ThinkPad P1 Platform Specifications

**Product Specifications Reference (PSREF)**

#### Processor

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</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>
</tr>
</thead>
<tbody>
<tr>
<td>i5-8400H</td>
<td>4</td>
<td>8</td>
<td>2.5 GHz</td>
<td>4.2 GHz</td>
<td>8 MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>i7-8750H</td>
<td>6</td>
<td>12</td>
<td>2.2 GHz</td>
<td>4.1 GHz</td>
<td>9 MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>E-2176M</td>
<td></td>
<td></td>
<td>2.7 GHz</td>
<td>4.4 GHz</td>
<td>12 MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

#### Graphics

- Intel UHD Graphics 630 or P630 in processor
- NVIDIA Quadro P1000 or P2000, 4GB GDDR5 memory;
- supports external digital monitor via HDMI or Thunderbolt;

#### Chipset

- Mobile Intel CM246 Chipset

#### Memory

- 64GB max / 2666MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, two DDR4 SO-DIMM sockets

#### Display

- **Some:** 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch, anti-reflection (AR)
- **Some:** 15.6" (396mm) UHD (3840x2160), anti-glare, LED backlight, IPS, 400 nits, 16:9 aspect ratio, 1200:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch, anti-reflection (AR)

#### Multi-touch (opt) Pen

- Capacitive-type multi-touch, supports 10-finger gesture (4K only)
- Supports pen accessory, please see the accessory compatibility for details

#### Storage

- Up to 2 drives (two M.2 SSD)
- M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32GB/s

#### Optane (optional)

- RAID 0/1 support
- RAID (optional)

#### Ethernet

- Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Cable

#### WLAN

- Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo module

#### WWAN

- None

#### SIM card

- None

#### Dimensions

- **WxDxH (non-touch):** 14.24" x 9.67" x 0.72"; 361.8mm x 245.7mm x 18.4mm
- **WxDxH (multi-touch):** 14.24" x 9.67" x 0.74"; 361.8mm x 245.7mm x 18.7mm

#### Weight

- **Non-touch model:** starting at 3.76 lb / 1.7 kg
- **Multi-touch model:** starting at 4.06 lb / 1.8 kg

#### Case color

- Black

#### Case material

- **Display cover:** CFRP/GFRP hybrid;
- **Bottom:** Aluminum alloy

### Note

The specifications above may not be available in all regions.

---

**Limitations**

- Legal and safety compliance
- Configuration changes
- Battery life varies significantly with settings, usage, & other factors
- Limited warranty
- Intel vPro Technology
- Processor 8th Generation Intel
- WWAN
- Bluetooth
- WLAN
- SIM card
- Display
- Memory
- Chipset
- Graphics
- Storage
- Optane
- Ethernet
- WLAN
- WWAN
- SIM card

---

**Lenovo Limited Warranty**

- 3 years parts and labor (North American, European, and Latin American regions)

---

**Environmental Compliance**

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

---

**Legal Compliance**

- Limited warranty
- Preload
- Compliant
- Limited warranty
- Preload
- Compliant

---

**August 2019**