### ThinkPad P72 Platform Specifications

**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>7-8750H</td>
<td>6</td>
<td>12</td>
<td>2.2 GHz</td>
<td>4.1 GHz</td>
<td>9MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 630</td>
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<tr>
<td>E-2176M</td>
<td>12</td>
<td>23</td>
<td>2.7 GHz</td>
<td>4.4 GHz</td>
<td>12MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>E-2186M</td>
<td>12</td>
<td>23</td>
<td>2.9 GHz</td>
<td>4.8 GHz</td>
<td>12MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

**Graphics**

- Intel UHD Graphics 630 or P630 in processor and NVIDIA Quadro P600 (4GB memory), P2000 (4GB memory), P3200 (6GB memory), P4200 (8GB memory), or P5200 (16GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports 4 independent displays with 3 external monitors plus system LCD screen. Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable): 5120x2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)

**Chipset**

- Mobile Intel CM246 Chipset

**Memory**

- 128GB non-ECC or 64GB ECC max / 2400MHz DDR4 (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets

**Display**

- **17.3” (439mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle**
- **Some:** 17.3” (439mm) UHD (3840x2160), anti-glare, LED backlight, WVA, 400 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% Adobe gamut, 170° viewing angle

**Multi-touch Pen**

- None

**Storage**

- Up to 3 drives (two M.2 SSD and one HDD), supports single sided M.2 2280 drives only
- **Some:** HDD / SATA 6.0Gb/s, 2.5” wide, 7mm high, Active Protection System™
- **Some:** M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

**Optane™ memory**

- Optional: Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2

**Optical**

- None

**Ethernet**

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

**WLAN Bluetooth™**

- 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 adapter

**WWAN**

- None

**SIM card**

- None

**Camera**

- (optional) IR camera and HD720p camera, fixed focus

**Audio support**

- HD Audio, Realtek® ALC3286 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / optional dual array microphone, headphone / microphone combo jack, Dolby Atmos® headphone

**Keyboard**

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

**Fingerprint reader**

- Touch style match on chip fingerprint reader on the palm rest

**Security**

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

**Security chip**

- vPro (optional) Discrete TPM 2.0, TCG Certified

**Fingerprint reader**

- Touchpad

**Color calibration**

- None

** NFC (optional)**

- Near Field Communication

**Battery**

- Li-ion 99Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Max battery life**

- MobileMark® 2014: 16 hr
- *Battery life varies significantly with hardware configurations, settings, usage, & other factors

**AC adapter**

- 230W slim tip AC adapter

**Operating system**

- One of the following, configurable by model:
  - Windows® 10 Home 64
  - Windows® 10 Pro 64
  - Windows® 10 Pro 64 for Workstations

**Limited warranty**

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

**Mil-Spec test**

- MIL-STD-810G military testing

**Environment**

- EPEAT® Gold (US only); ENERGY STAR® 7.0; RoHS-compliant

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**Dimensions**

- WxDxH: 16.38” x 11.06” x 0.96-1.16”; 416mm x 281mm x 24.5-29.4mm

**Weight**

- Starting at 7.5 lb / 3.4kg

**Case color**

- Black

**Case material**

- Display cover: GFRP + PPS: Bottom: Magnesium/Aluminum

**Smart card reader**

- Optional: Smart card reader

**ExpressCard**

- None

**Media reader**

- 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card

**Ports**

- Four USB 3.1 Gen 1 (one Always On), two USB Type-C / Thunderbolt 3 (with the function of Power Delivery and DP), Mini DisplayPort 1.4, HDMI 2.0, Ethernet (RJ-45), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole
- *Power Delivery only supports power-out for charging peripherals
- *Depending on many factors, actual data transfer speed may be lower than theoretical speed

**Optional:** Lenovo Mini-DisplayPort to DisplayPort Monitor Cable

**Monitor cable**

- Lenovo Mini-DisplayPort to DisplayPort Monitor Cable

**Camera (optional)**

- IR camera and HD720p camera, fixed focus

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

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