

ThinkPad P71 Platform Specifications

Product Specifications Reference (PSREF)

| Processor | 7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family | | | | | | | Dimensions | WxDxH: 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm | | | | | | | | |
|--------------------|--|-----------------|--------------|----------------|---------------------|-------|--------------|-------------------------------------|---|---|--|------|-------------------|-----------------|------------------|--------|----------|
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | Weight | Starting at 7.3 lb (3.3kg) | | | | | | | |
| | i7-7700HQ | 4 | 8 | 2.8 GHz | 3.8 GHz | 6MB | DDR4-2400 | Intel HD Graphics 630 | Case color | Black | | | | | | | |
| | i7-7820HQ | | | 2.9 GHz | 3.9 GHz | 8MB | | Intel HD Graphics P630 | Case material | Display cover: Glass-Fiber + PPS; Bottom: Magnesium/Aluminum | | | | | | | |
| E3-1505M v6 | 3.0 GHz | | | 4.0 GHz | Smart card reader | | | Optional: Smart card reader | | | | | | | | | |
| E3-1535M v6 | 3.1 GHz | | | 4.2 GHz | ExpressCard | | | One slot (ExpressCard/34) | | | | | | | | | |
| Graphics | Intel HD Graphics 630 or P630 in processor and NVIDIA Quadro® M620M (2GB memory), P3000M (6GB memory), P4000M (8GB memory), or P5000M (16GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI) | | | | | | | Media reader | 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card | | | | | | | | |
| Chipset | Mobile Intel CM238 Chipset | | | | | | | Ports | Four USB 3.1 Gen 1 (USB 3.0, one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.2a, HDMI 1.4b, Ethernet (RJ-45), Dock connector | | | | | | | | |
| Memory | 64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets | | | | | | | Camera (optional) | HD720p resolution, fixed focus | | | | | | | | |
| Display | Some: 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle Some: 17.3" (439mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 90% gamut, 170° viewing angle | | | | | | | Audio support | HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack | | | | | | | | |
| Multi-touch Pen | None | | | | | | | Keyboard | 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight | | | | | | | | |
| Storage | Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ | | | | | | | UltraNav™ | 3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad | | | | | | | | |
| Optical (optional) | DVD burner, 9.5mm high, fixed, tray-in | | | | | | | Security | Power-on password, hard disk password, supervisor password, security keyhole | | | | | | | | |
| Ethernet | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville) | | | | | | | Security chip | Discrete TPM 2.0, TCG Certified | | | | | | | | |
| WLAN Bluetooth™ | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS | | | | | | | vPro (optional) | Intel vPro Technology | | | | | | | | |
| WWAN (optional) | One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card | | | | | | | Fingerprint reader | Touch style match on chip fingerprint reader on the keyboard bezel | | | | | | | | |
| SIM card (opt) | Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card | | | | | | | Color calibration | Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest | | | | | | | | |
| | | | | | | | | NFC | None | | | | | | | | |
| | | | | | | | | Battery | Li-Ion 8-cell (96Wh) | | | | | | | | |
| | | | | | | | | Max battery life (MobileMark® 2014) | <table border="1"> <thead> <tr> <th>Mode</th> <th>Discrete Graphics</th> <th>Hybrid Graphics</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>9.8 hr</td> <td>14.25 hr</td> </tr> </tbody> </table> | | | Mode | Discrete Graphics | Hybrid Graphics | Max battery life | 9.8 hr | 14.25 hr |
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| | | | | | | | | AC adapter | 170W or 230W AC adapter | | | | | | | | |
| | | | | | | | | Preload | Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate | | | | | | | | |
| | | | | | | | | 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 certification | | | | | | | | |
| | | | | | | | | Environment | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant | | | | | | | | |

| Model | 20HK0005++ |
|--------------------|--|
| Product | ThinkPad P71 |
| Region | EMEA |
| Machine Type | 20HK |
| TopSeller | TopSeller |
| Processor | Xeon E3-1505M v6 (4C, 3.0 / 4.0GHz, 8MB) |
| vPro | vPro |
| Graphics | NVIDIA Quadro P4000M 8GB |
| Chipset | Intel CM238 |
| Memory | 8GBx2 ECC |
| Display | 17.3" 4K (3840x2160) IPS |
| Multi-touch | None |
| Pen | None |
| Storage | 512GB SSD M.2 PCIe NVMe Opal2 |
| RAID | No |
| Optical | DVD±RW |
| WLAN + Bluetooth | Intel 8265 ac, 2x2 + BT4.1 |
| WWAN | WWAN Upgradable |
| SIM Card | None |
| Smart Card Reader | Smart Card Reader |
| Camera | 720p |
| Keyboard | Backlit |
| Color Calibrator | X-Rite |
| Fingerprint Reader | Fingerprint Reader |
| NFC | None |
| TPM | dTPM 2.0 |
| Battery | 8-cell (96Wh) |
| Power Adapter | 230W |
| Operating System | Windows 10 Pro 64 |
| Warranty | 3-year, Onsite |
| End of Support | May 4, 2023 |
| Ann Date (mm/yy) | 04/17 |





