

ThinkPad P71 Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family								Dimensions Weight Case color Case material	<i>WxDxH:</i> 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm Starting at 7.3 lb (3.3kg) Black <i>Display cover:</i> Glass-Fiber + PPS; <i>Bottom:</i> Magnesium/Aluminum						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics								
	i7-7700HQ	4	8	2.8 GHz	3.8 GHz	6MB	DDR4-2400	Intel HD Graphics 630								
	i7-7820HQ			2.9 GHz	3.9 GHz	8MB		Intel HD Graphics P630								
	E3-1505M v6			3.0 GHz	4.0 GHz											
E3-1535M v6	3.1 GHz			4.2 GHz												
Graphics	Intel HD Graphics 630 or P630 in processor and NVIDIA Quadro® M620 (2GB memory), M2200 (4GB memory), P3000 (6GB memory), P4000 (8GB memory), or P5000 (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)								Smart card reader	<i>Optional:</i> Smart card reader						
Chipset	Mobile Intel CM238 Chipset								ExpressCard	One slot (ExpressCard/34)						
Memory	64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card						
Display	<i>Some:</i> 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 <i>Some:</i> 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								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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> <i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable						
Multi-touch	None								Monitor cable	<i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable						
Pen	None								Camera (<i>optional</i>)	HD720p resolution, fixed focus						
Storage	<i>Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)</i> • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s								Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack						
RAID (<i>optional</i>)	RAID 0/1 support								Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight						
Optical (<i>optional</i>)	DVD burner, 9.5mm high, fixed, tray-in								UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad						
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								Security	Power-on password, hard disk password, supervisor password, security keyhole						
WLAN	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								Security chip	Discrete TPM 2.0, TCG Certified						
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>								vPro (<i>optional</i>)	Intel vPro Technology						
WWAN (<i>optional</i>)	<i>One of the following, configurable by model:</i> • 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 (<i>opt</i>)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								Color calibration	<i>Optional:</i> Pantone® color calibrator by X-Rite® color calibration sensor in palm rest						
									NFC	None						
									Battery	Li-ion 8-cell (96Wh)						
									Max battery life (<i>MobileMark® 2014</i>)	<table><tr><td><i>Mode</i></td><td><i>Discrete Graphics</i></td><td><i>Hybrid Graphics</i></td></tr><tr><td><i>Max battery life</i></td><td>9.8 hr</td><td>14.25 hr</td></tr></table> <i>* Battery life varies significantly with settings, usage, & other factors</i>	<i>Mode</i>	<i>Discrete Graphics</i>	<i>Hybrid Graphics</i>	<i>Max battery life</i>	9.8 hr	14.25 hr
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									AC adapter	170W or 230W slim tip AC adapter						
									Preload	<i>One of the following, configurable by model:</i> • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations						
									Limited warranty	<i>One of the following, configurable by model:</i> • 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						

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

Lenovo
September 2018