

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	Memory	Display	Multi-touch Pen	Storage	Optical (optional)	Ethernet	WLAN Bluetooth™	WWAN (optional)	SIM card (opt)	ExpressCard	One slot (ExpressCard/34)
										Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card
										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
										Monitor cable	<i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable
										Camera (optional)	HD720p resolution, fixed focus
Audio support	Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight									
	UltraNav™	3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad									
	Security	Power-on password, hard disk password, supervisor password, security keyhole									
	Security chip	Discrete TPM 2.0, TCG Certified									
	vPro (optional)	Intel vPro Technology									
Fingerprint reader	Color calibration	Touch style match on chip fingerprint reader on the keyboard bezel									
	NFC	<i>Optional:</i> Pantone® color calibrator by X-Rite® color calibration sensor in palm rest									
	Battery	Li-Ion 8-cell (96Wh)									
	Max battery life	<table><tr><td>Mode</td><td>Discrete Graphics</td><td>Hybrid Graphics</td></tr><tr><td>Max battery life</td><td>9.8 hr</td><td>14.25 hr</td></tr></table>	Mode	Discrete Graphics	Hybrid Graphics	Max battery life	9.8 hr	14.25 hr			
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Max battery life	9.8 hr	14.25 hr									
(MobileMark® 2014)											
AC adapter	170W or 230W AC adapter										
Preload	<i>Some:</i> Windows® 10 Home 64 <i>Some:</i> Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate										
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										