

ThinkPad P71 20HK0000++

Region
EMEA

Machine Type
20HK

TopSeller
TopSeller

Processor
Core i7-7700HQ (4C, 2.8 / 3.8GHz, 6MB)

vPro
No

Graphics
NVIDIA Quadro M620 2GB

Chipset
Intel CM238

Memory
8GBx1 non-ECC

Display
17.3" FHD (1920x1080) IPS

Multi-touch
None

Pen
None

Storage
256GB 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

Monitor Cable
None

Camera
720p

Keyboard
Backlit

Color Calibrator
X-Rite

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
dTPM 2.0

Battery
8-cell (96Wh)

Power Adapter
170W Slim Tip

Operating System
Windows 10 Pro 64

Warranty
3-year, Onsite

End of Support
May 4, 2023

Ann Date (mm/yy)
04/17

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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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	WxDxH: 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 Display cover: Glass-Fiber + PPS; Bottom: 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	Optional: Smart card reader						
Chipset Memory	Mobile Intel CM238 Chipset 64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets								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	Optional: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable						
									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						
									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						
Multi-touch Pen	None None								vPro (optional)	Intel vPro Technology						
									Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel						
									Color calibration	Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest						
									NFC	None						
									Battery	Li-Ion 8-cell (96Wh)						
Storage	Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay) • 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								Max battery life (MobileMark® 2014)	<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
									Mode	Discrete Graphics	Hybrid Graphics					
									Max battery life	9.8 hr	14.25 hr					
									AC adapter	170W or 230W slim tip AC adapter						
									Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)						
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															

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