

ThinkPad P71 20HK002U++

Region
EMEA

Machine Type
20HK

TopSeller
TopSeller

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

vPro
No

Graphics
NVIDIA Quadro M2200 4GB

Chipset
Intel CM238

Memory
16GBx1 non-ECC

Display
17.3" FHD (1920x1080) 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

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
230W

Operating System
Windows 10 Pro 64

Warranty
3-year, Onsite

End of Support
Dec 19, 2022

Ann Date (mm/yy)
12/17

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 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																	

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