

ThinkPad P71 20HK002K++

Region
EMEA

Machine Type
20HK

TopSeller
TopSeller

Processor
Xeon E3-1505M v6 (4C, 3.0 / 4.0GHz, 8MB)

vPro
vPro

Graphics
NVIDIA Quadro P4000 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

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
Oct 3, 2022

Ann Date (mm/yy)
10/17

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	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® 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)							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							Monitor cable	Optional: Lenovo Mini-DisplayPort to DisplayPort Monitor Cable							
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							Camera (optional)	HD720p resolution, fixed focus							
Multi-touch	None							Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack							
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) • 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							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	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card							vPro (optional)	Intel vPro Technology							
Bluetooth™	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							Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel							
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							Color calibration	Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest							
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							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
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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