

ThinkPad P71 20HK0005xx

Region	Monitor Cable
EAST	None
Machine Type	Camera
20HK	720p
TopSeller	Keyboard
TopSeller	Backlit
Processor	Color Calibrator
Xeon E3-1505M v6 (4C, 3.0 / 4.0GHz, 8MB)	X-Rite
vPro	Fingerprint Reader
vPro	Fingerprint Reader
Graphics	NFC
NVIDIA Quadro P4000 8GB	None
Chipset	TPM
Intel CM238	dTPM 2.0
Memory	Battery
8GBx2 ECC	8-cell (96Wh)
Display	Power Adapter
17.3" 4K (3840x2160) IPS	230W
Multi-touch	Operating System
None	Windows 10 Pro 64
Pen	Warranty
None	3-year, Onsite
Storage	End of Support
512GB SSD M.2 PCIe NVMe Opal2	May 4, 2023
RAID	Ann Date (mm/yy)
No	04/17
Optical	
DVD±RW	
WLAN + Bluetooth	
Intel 8265 ac, 2x2 + BT4.1	
WWAN	
WWAN Upgradable	
SIM Card	
None	
Smart Card Reader	
Smart Card Reader	

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Note:

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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 Intel HD Graphics P630	Case color	Black								
	i7-7820HQ			2.9 GHz	3.9 GHz	8MB			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 Pen	None								Audio support	HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack								
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								Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight 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)	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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