

# ThinkPad P71 20HK0034++

Region	Monitor Cable
EMEA	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 Slim Tip
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	Feb 9, 2024
RAID	Ann Date (mm/yy)
No	01/18
Optical	
DVD±RW	
WLAN + Bluetooth	
Intel 8265 ac, 2x2 + BT4.1	
WWAN	
WWAN Upgradable	
SIM Card	
None	
Smart Card Reader	
Smart Card Reader	

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								<p>Dimensions <i>WxDxH:</i> 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm</p> <p>Weight Starting at 7.3 lb (3.3kg)</p> <p>Case color Black</p> <p>Case material Glass-Fiber + PPS; Bottom: Magnesium/Aluminum</p>									
	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)								<p>Smart card reader <i>Optional:</i> Smart card reader</p> <p>ExpressCard One slot (ExpressCard/34)</p> <p>Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card</p> <p>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</p> <p>Monitor cable <i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable</p> <p>Camera <i>(optional)</i> HD720p resolution, fixed focus</p> <p>Audio support HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack</p> <p>Keyboard 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight</p> <p>UltraNav™ 3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad</p> <p>Security Power-on password, hard disk password, supervisor password, security keyhole</p> <p>Security chip Discrete TPM 2.0, TCG Certified</p> <p>vPro <i>(optional)</i> Intel vPro Technology</p> <p>Fingerprint reader Touch style match on chip fingerprint reader on the keyboard bezel</p> <p>Color calibration <i>Optional:</i> Pantone® color calibrator by X-Rite® color calibration sensor in palm rest</p> <p>NFC None</p> <p>Battery Li-Ion 8-cell (96Wh)</p> <p>Max battery life <i>(MobileMark® 2014)</i> <table border="1"> <tr> <th>Mode</th> <th>Discrete Graphics</th> <th>Hybrid Graphics</th> </tr> <tr> <td>Max battery life</td> <td>9.8 hr</td> <td>14.25 hr</td> </tr> </table></p> <p>AC adapter 170W or 230W slim tip AC adapter</p> <p>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</p> <p>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</p> <p>Mil-Spec test MIL-STD-810G military certification</p> <p>Environment EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant</p>	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																
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																		
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																		
None None																		
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																		
									Optical <i>(optional)</i> DVD burner, 9.5mm high, fixed, tray-in									
									Ethernet <i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)									
									WLAN Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card 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									
									WWAN <i>(optional)</i> 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									
									SIM card <i>(opt)</i> Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card									

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