

ThinkPad P71 20HK001Y++

Product
ThinkPad P71

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
8GBx2 non-ECC

Display
17.3" FHD (1920x1080) IPS

Multi-touch
None

Pen
None

Storage
512GB SSD M.2 PCIe NVMe Opal2

RAID
No

Optical
Blank Bezel

WLAN + Bluetooth
Intel 8265 ac, 2x2 + BT4.1

WWAN
None

SIM Card
None

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Camera
720p

Keyboard
Backlit

Color Calibrator
None

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
dTPM 2.0

Battery
8-cell (96Wh)

Power Adapter
230W Slim Tip

Operating System
Windows 10 Pro 64

Warranty
3-year, Onsite

End of Support
Sep 5, 2022

Ann Date (mm/yy)
09/17

Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.
<https://www.lenovo.com/hk/en/battery-info>



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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	<i>WxDxH:</i> 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	<i>Display cover:</i> Glass-Fiber + PPS; <i>Bottom:</i> Magnesium/Aluminum							
	E3-1505M v6			3.0 GHz	4.0 GHz	Smart card reader			<i>Optional:</i> 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 <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>								
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	<i>Optional:</i> Lenovo Mini-DisplayPort to DisplayPort Monitor Cable								
Display	<i>Some:</i> 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 <i>Some:</i> 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	<i>Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay)</i> • 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 Mylar surface multi-touch touchpad								
RAID (optional)	RAID 0/1 support								Security	Power-on password, hard disk password, supervisor password, security keyhole								
Optical (optional)	DVD burner, 9.5mm high, fixed, tray-in								Security chip	Discrete TPM 2.0, TCG Certified								
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								vPro (optional)	Intel vPro Technology								
WLAN	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								Fingerprint reader	Touch style match on chip fingerprint reader on the keyboard bezel								
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter <i>* Intel 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS</i>								Color calibration	<i>Optional:</i> Pantone® color calibrator by X-Rite® color calibration sensor in palm rest								
WWAN (optional)	<i>One of the following, configurable by model:</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card								NFC	None								
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								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	<i>* Battery life varies significantly with settings, usage, & other factors</i> 170W or 230W slim tip AC adapter								
									Preload	<i>One of the following, configurable by model:</i> • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations								
									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								
									Mil-Spec test	MIL-STD-810G military certification								
									Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant								

Note: The specifications above may not be available in all regions.

Lenovo
September 2018

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