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 Slim Tip

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

Processor

7th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v6 Family

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		
E3-1505M v6			3.0 GHz	4.0 GHz			Intel HD Graphics P630
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)

Chipset

Mobile Intel CM238 Chipset

Memory

64GB max / 2400MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets

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

Multi-touch

None

Pen

None

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

Optical *(optional)*

DVD burner, 9.5mm high, fixed, tray-in

Ethernet

Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN
Bluetooth™

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 *(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

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions

WxDxH: 16.38" x 10.85" x 1.18-1.35"; 416mm x 275.5mm x 29.9-34.2mm

Weight

Starting at 7.3 lb (3.3kg)

Case color

Black

Case material

Display cover: Glass-Fiber + PPS;
Bottom: Magnesium/Aluminum

Smart card reader

Optional: Smart card reader

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

Audio support

HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack

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

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Discrete TPM 2.0, TCG Certified

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)*

Max battery life (*MobileMark® 2014*)

Mode	*Discrete Graphics*	*Hybrid Graphics*
Max battery life	9.8 hr	14.25 hr

AC adapter

170W or 230W slim tip 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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