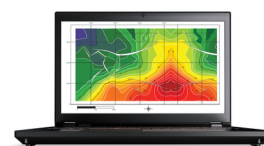




Lenovo ThinkPad P71 Intel® Core™ i7 i7-7820HQ Mobile workstation 43,9 cm (17.3") Full HD 32 GB DDR4-SDRAM 1,51 TB HDD+SSD NVIDIA® Quadro® M2200 Wi-Fi 5 (802.11ac) Windows 10 Pro Black



Brand : Lenovo

Product family: ThinkPad

Product code: 20HKS0HP00

Product name : P71

17.3, 1920 x 1080, Intel Core i7-7820HQ, 32GB DDR4, 1TB HDD, 512GB SSD, NVIDIA Quadro M2200, Windows 10 Pro + 3Y JL Warranty

Lenovo ThinkPad P71. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-7820HQ, Processor frequency: 2,9 GHz. Display diagonal: 43,9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1,51 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 630. Operating system installed: Windows 10 Pro. Product colour: Black



Design		Keyboard	
Product type *	Mobile workstation	Pointing device	ThinkPad UltraNav
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Spill-resistant keyboard	✓
Housing material	Aluminium, Glass fibre, Magnesium, Polyphenylene sulfide (PPS)	Full-size keyboard	✓
		Windows keys	✓
Display		Software	
Display diagonal *	43,9 cm (17.3")	Operating system architecture	64-bit
Display resolution *	1920 x 1080 pixels	Operating system installed *	Windows 10 Pro
Touchscreen *	✗	Processor special features	
HD type	Full HD	Intel® Wireless Display (Intel® WiDi)	✓
Panel type	IPS	Intel® My WiFi Technology (Intel® MWT)	✓
LED backlight	✓	Intel® Smart Response Technology	✓
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Display surface	Matt	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Display brightness	300 cd/m²	Intel® Turbo Boost Technology	2.0
Contrast ratio (typical)	800:1	Enhanced Intel SpeedStep Technology	✓
Processor		Intel HD Graphics	✓
Processor manufacturer *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor family *	Intel® Core™ i7	Intel Clear Video Technology	✓
Processor generation	7th gen Intel® Core™ i7	Intel® InTru™ 3D Technology	✓
Processor model *	i7-7820HQ	Intel® Quick Sync Video Technology	✓
Processor cores	4	Intel Flex Memory Access	✓
Processor threads	8	Intel® Smart Cache	✓
Processor boost frequency	3,9 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor frequency *	2,9 GHz	Intel Trusted Execution Technology	✓
Processor cache	8 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography	14 nm	Intel® Secure Key	✓
Processor operating modes	64-bit	Intel TSX-NI	✓
Processor series	Intel Core i7-7800 Mobile Series		
Processor codename	Kaby Lake		
Bus type	DMI3		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✓
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory *	32 GB	Intel 64	✓
Internal memory type	DDR4-SDRAM	Execute Disable Bit	✓
Memory clock speed	2400 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots	4x SO-DIMM	Processor package size	42 x 28 mm
Maximum internal memory *	64 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		CPU configuration (max)	1
Total storage capacity *	1,51 TB	Embedded options available	✗
Storage media *	HDD+SSD	Graphics & IMC lithography	14 nm
HDD interface	SATA III	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD size	2.5"	Intel Identity Protection Technology version	1,00
Optical drive type *	✗	Intel Smart Response Technology version	1,00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	1,00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Secure Key Technology version	1,00
Graphics		Intel Small Business Advantage (SBA) version	1,00
Discrete graphics card model *	NVIDIA® Quadro® M2200	Intel TSX-NI version	1,00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Processor ARK ID	97496
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 630	Battery	
On-board graphics card base frequency	350 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card dynamic frequency (max)	1100 MHz	Battery capacity *	96 Wh
Maximum on-board graphics card memory	64 GB	Power	
On-board graphics card DirectX version	12.0	AC adapter power	170 W
On-board graphics card OpenGL version	4.4	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0x591B	AC adapter input voltage	100 - 240 V
Audio		Security	
Audio chip	Realtek ALC3268	Cable lock slot	✓
Number of built-in speakers	2	Fingerprint reader	✓
Speaker power	2 W	Trusted Platform Module (TPM)	✓
Built-in microphone	✓	Password protection	✓
Camera		Password protection type	HDD, Power on, Supervisor
Front camera	✓	Certificates	
Front camera resolution	1280 x 720 pixels	Compliance certificates	RoHS
Front camera signal format	720p	Sustainability	
Front camera HD type	HD	Sustainability certificates	ENERGY STAR
Network		Weight & dimensions	
Wi-Fi	✓	Width	416 mm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Depth	275,5 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Height (front)	2,99 cm
Ethernet LAN	✓	Height (rear)	3,42 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	3,3 kg
Bluetooth	✓	Packaging content	
Bluetooth version	4.1	AC adapter included *	✓
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4		

Ports & interfaces		Packaging content	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Manual	✓
Ethernet LAN (RJ-45) ports	1	Power cord included	✓
HDMI ports quantity *	1	Other features	
HDMI version	1.4b	Maximum internal memory (64-bit)	64 GB
Mini DisplayPorts quantity	1		
DVI port	✗		
Headphone outputs	1		
Combo headphone/mic port	✓		
Docking connector	✓		
USB Sleep-and-Charge	✓		
USB Sleep-and-Charge ports	1		
Performance			
Motherboard chipset	Intel® CM238		

Catalog Object Cloud



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