![Lenovo]
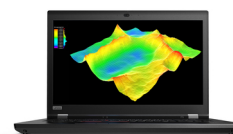
Lenovo ThinkPad P73 Intel® Core™ i7 i7-9850H Mobile workstation 43.9 cm (17.3") Full HD 16 GB DDR4-SDRAM 2.26 TB HDD+SSD NVIDIA Quadro RTX 3000 Wi-Fi 6 (802.11ax) Windows 10 Home Black

Brand : Lenovo	**Product family:** ThinkPad	**Product code:** 20QRA003CD
Product name : P73		

- Windows 10 Home 64-bit
- Intel Core i7-9850H (12MB Cache, 2.6GHz)
- 43.9 cm (17.3") Full HD 1920 x 1080 IPS, NVIDIA Quadro RTX 3000 (6GB GDDR6)
- 16GB (2666MHz) DDR4-SDRAM & 2000GB HDD, 256GB SSD

Intel Core i7-9850H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 2000GB HDD, 256GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080 IPS, Intel UHD Graphics 630, NVIDIA Quadro RTX 3000 (6GB GDDR6), LAN, WLAN, Bluetooth, Webcam, Windows 10 Home 64-bit

Lenovo ThinkPad P73. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-9850H, Processor frequency: 2.6 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 2.26 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black

Design

Product type *	Mobile workstation
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	43.9 cm (17.3")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display brightness	300 cd/m²
Dual-screen	✗
Contrast ratio (typical)	700:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	9th gen Intel® Core™ i7
Processor *	i7-9850H
Processor number of cores	6
Processor threads	12
Processor boost frequency	4.6 GHz
Processor frequency *	2.6 GHz
System bus data transfer rate	8 GT/s
Processor cache	12 MB
Processor socket	BGA 1440
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Coffee Lake
Thermal Design Power (TDP)	45 W
Configurable TDP-down	35 W
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0

Network

Bluetooth	✔
Bluetooth version	5.0
WWAN	Not installed

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.0
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✔
Keyboard backlit	✔
Spill-resistant keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Processor special features

Intel My WiFi Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔

Processor

PCI Express configurations	1x16, 2x8, 1x8+2x4

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2666 MHz
Memory form factor	SO-DIMM
Memory slots	4x SO-DIMM
Memory, maximum *	128 GB
ECC	✘

Storage

Total storage capacity *	2.26 TB
Storage media *	HDD+SSD
Total HDDs capacity	2 TB
Number of HDDs installed	1
Hard drive capacity	2 TB
Hard drive interface	SATA III
Total SSDs capacity	256 GB
Number of SSDs installed	1
Solid-state drive capacity	256 GB
Solid-state drive interfaces	PCI Express
SSD form factor	M.2
Optical drive *	✘
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA Quadro RTX 3000
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	64 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3E9B

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	2 W
Built-in subwoofer	✘
Built-in microphone	✔
Built-in audio decoders	Dolby Atmos

Camera

Front camera	✔
Front camera signal format	720p
Front camera HD type	HD
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter
Auto focus	✘

Processor special features

Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 28 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	191047

Battery

Battery technology	Lithium Polymer (LiPo)
Battery capacity *	99 Wh
Battery life (max)	17.2 h
Fast charging	✔

Power

AC adapter power	230 W
DC-in jack	✔
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Fingerprint reader	✔
Smart card reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Certificates

Compliance certificates	RoHS
Certification	MIL-STD-810G

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	416 mm
Depth	281 mm
Height (front)	2.59 cm
Height (rear)	3.1 cm

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX200
Ethernet LAN connection	✔
Ethernet LAN data rates	10,100,1000 Mbit/s

Weight & dimensions

Weight *	3.4 kg

Packaging content

AC adapter included *	✔

Other features

3D compatibility	✘
Maximum internal memory (64-bit)	128 GB

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