Lenovo

Lenovo ThinkPad P15 Intel® Core™ i7 i7-10750H Estación de trabajo móvil 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA Quadro RTX 4000 Wi-Fi 6 (802.11ax) Windows 10 Pro Español Negro

Marca : Lenovo

Familia de productos: ThinkPad

Código del producto: 20SUSA1700

Nombre del producto : P15

- Windows 10 Pro 64-bit
- Intel Core i7-10750H (12MB Cache, 2.6GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA Quadro RTX 4000 (8GB GDDR6)
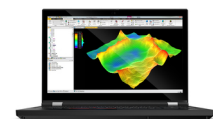- 16GB (2933MHz) DDR4-SDRAM & 512GB SSD

Intel Core i7-10750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA Quadro RTX 4000 (8GB GDDR6), LAN, WLAN, Webcam, Windows 10 Pro 64-bit

Lenovo ThinkPad P15. Tipo de producto: Estación de trabajo móvil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i7, Modelo del procesador: i7-10750H, Frecuencia del procesador: 2.6 GHz. Diagonal de la pantalla: 39.6 cm (15.6"), Tipo HD: Full HD, Resolución de la pantalla: 1920 x 1080 Pixeles. Memoria interna: 16 GB, Tipo de memoria interna: DDR4-SDRAM. Capacidad total de almacenaje: 512 GB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel® UHD Graphics. Sistema operativo instalado: Windows 10 Pro. Color del producto: Negro

Design

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

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	500 cd/m²
RGB colour space	NTSC
Colour gamut	72%
Contrast ratio (typical)	1200:1
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	10th gen Intel® Core™ i7
Processor model *	i7-10750H
Processor cores	6
Processor boost frequency	5 GHz
Processor frequency *	2.6 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Configurable TDP-down	35 W

Memory

Internal memory *	16 GB

Ports & interfaces

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

Performance

Motherboard chipset	Intel WM490

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✔
Keyboard backlit	✔
Spill-resistant keyboard	✔
Keyboard language	Spanish

Software

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

Processor special features

Enhanced Intel SpeedStep Technology	✔
Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Stable Image Platform Program (SIPP)	✘

Memory

Internal memory type	DDR4-SDRAM
Memory clock speed	2933 MHz
Memory form factor	SO-DIMM
Memory slots	4x SO-DIMM
Maximum internal memory *	128 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD memory type	TLC
SSD interface	PCI Express 3.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD

Graphics

Discrete graphics card model *	NVIDIA Quadro RTX 4000
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics

Audio

Audio chip	Realtek ALC3286
Audio system	Dolby Atmos
Number of built-in speakers	2
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX201
WLAN controller manufacturer	Intel
Ethernet LAN	✔
Ethernet LAN data rates	100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.1

Processor special features

Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Battery capacity *	94 Wh
Battery life (max)	16.4 h
Fast charging	✔

Power

AC adapter power	230 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Smart card reader	✘
Windows Hello	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	5 - 43 °C
Operating relative humidity (H-H)	8 - 95%
Storage relative humidity (H-H)	5 - 95%
Maximum shipping altitude	3048 m

Certificates

Compliance certificates	RoHS
Certification	MIL-STD-810G

Sustainability

Sustainability certificates	ENERGY STAR, EPEAT Gold

Weight & dimensions

Width	375.4 mm
Depth	252.3 mm
Height (front)	2.45 cm
Height (rear)	3.15 cm
Weight *	2.74 kg