Lenovo

Lenovo ThinkPad P16 Intel® Core™ i7 i7-13700HX Estación de trabajo móvil 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Español Gris, Negro

Marca : Lenovo

Familia de productos:
ThinkPad

Código del producto:
21FB000FLM

Nombre del producto : P16

- Windows 11 Pro
- Intel Core i7-13700HX (30MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS, RTX 3500 Ada (12GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
Intel Core i7-13700HX (30MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, RTX 3500 Ada (12GB GDDR6), WLAN, Webcam, Windows 11 Pro
Lenovo ThinkPad P16. Tipo de producto: Estación de trabajo móvil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i7, Modelo del procesador: i7-13700HX. Diagonal de la pantalla: 40.6 cm (16"), Tipo HD: WQXGA, Resolución de la pantalla: 2560 x 1600 Pixeles. Memoria interna: 32 GB, Tipo de memoria interna: DDR5-SDRAM. Capacidad total de almacenaje: 1 TB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel® UHD Graphics, Modelo de adaptador de gráficos discretos: NVIDIA RTX 3500 Ada. Sistema operativo instalado: Windows 11 Pro. Color del producto: Gris, Negro

Design

Colour name	Storm Grey (Top), Villi Black (Bottom)
Product type *	Mobile workstation
Product colour *	Grey, Black
Form factor *	Clamshell
Housing material	Aluminium, Glass fibre, Polyphenylene sulfide (PPS)

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	500 cd/m²
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	165 Hz
Contrast ratio (typical)	1200:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700HX
Processor cores	16
Processor boost frequency	5 GHz
Performance cores	8
Efficient cores	8
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Processor cache	30 MB
Processor cache type	Smart Cache

Camera

Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✘
Bluetooth	✔
Bluetooth version	5.3
Near Field Communication (NFC)	✘

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Performance

Motherboard chipset	Intel WM790

Keyboard

Pointing device	ThinkPad UltraNav

Processor

Processor base power	55 W
Maximum turbo power	157 W

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 16 GB
Memory slots	4x SO-DIMM
Maximum internal memory *	192 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA RTX 3500 Ada
Discrete graphics card memory	12 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio

Audio chip	Realtek ALC3306
Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔

Keyboard

Numeric keypad *	✔
Keyboard backlit	✔
Spill-resistant keyboard	✔
Keyboard language	Spanish

Software

Operating system language	Spanish
Operating system installed *	Windows 11 Pro

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	6
Battery capacity *	94 Wh
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	✘
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	BIOS, Power on, Supervisor, SSD

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-810H

Sustainability

Sustainability certificates	TCO, ENERGY STAR, EPEAT Gold

Weight & dimensions

Width	364 mm
Depth	266 mm
Height	30.2 mm
Weight *	2.95 kg

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