



Lenovo ThinkPad P1 Intel® Core™ i7 i7-13800H 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 Negro



Marca : Lenovo

Familia de productos:
ThinkPad

Código del producto:
21FW000GLM

Nombre del producto : P1

- Windows 11 Pro
- Intel Core i7-13800H (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA RTX 3500 Ada (12GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core i7-13800H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Iris Xe Graphics, NVIDIA RTX 3500 Ada (12GB GDDR6), WLAN, Webcam, Windows 11 Pro
Lenovo ThinkPad P1. Tipo de producto: Estación de trabajo móvil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i7, Modelo del procesador: i7-13800H. Diagonal de la pantalla: 40.6 cm (16"), Tipo HD: WQXGA, Resolución de la pantalla: 2560 x 1600 Píxeles. 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 Iris Xe Graphics, Modelo de adaptador de gráficos discretos: NVIDIA RTX 3500 Ada. Sistema operativo instalado: Windows 11 Pro. Color del producto: Negro



Design		Camera	
Colour name	Black, Paint	Front camera resolution	1920 x 1080 pixels
Product type *	Mobile workstation	Front camera HD type	Full HD
Product colour *	Black	Infrared (IR) camera	✓
Form factor *	Clamshell	Privacy camera	✓
Housing material	Aluminium, Carbon Fibre Reinforced Polymer (CFRP)	Privacy type	Privacy shutter
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	2560 x 1600 pixels	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	WQXGA	Antenna type	2x2
Panel type	IPS	WLAN controller model	Intel Wi-Fi 6E AX211
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Ethernet LAN	✗
Anti-glare screen	✓	Bluetooth	✓
Display brightness	500 cd/m²	Bluetooth version	5.3
RGB colour space	sRGB	WWAN	Not installed
Colour gamut	100%	Ports & interfaces	
Maximum refresh rate	165 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Contrast ratio (typical)	1200:1	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	2
Processor family *	Intel® Core™ i7	Intel® Thunderbolt 4	✓
Processor generation	13th gen Intel® Core™ i7	Combo headphone/mic port	✓
Processor model *	i7-13800H	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	14	USB Sleep-and-Charge	✓
Processor threads	20	USB Sleep-and-Charge ports	1
Processor boost frequency	5.2 GHz	Performance	
Performance cores	6	Motherboard chipset	Intel SoC
Efficient cores	8	Keyboard	
Performance-core Max Turbo Frequency	5.2 GHz	Pointing device	ThinkPad UltraNav
Efficient-core Max Turbo Frequency	4 GHz	Numeric keypad *	✗
Processor cache	24 MB		
Processor cache type	Smart Cache		

Processor		Keyboard	
Processor base power	45 W	Keyboard backlit	✓
Maximum turbo power	115 W	Spill-resistant keyboard	✓
Memory		Keyboard language	Spanish
Internal memory *	32 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system language	Spanish
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Pro
Memory form factor	SO-DIMM	Battery	
Memory layout (slots x size)	2 x 16 GB	Battery technology	Lithium Polymer (LiPo)
Memory slots	2x SO-DIMM	Battery capacity *	90 Wh
Maximum internal memory *	96 GB	Fast charging	✓
Memory channels	Dual-channel	Power	
Non-ECC	✓	AC adapter power	230 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	1 TB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	1 TB	Cable lock slot type	Kensington
SSD interface	PCI Express 4.0	Fingerprint reader	✓
NVMe	✓	Smart card reader	✗
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✓	Password protection	✓
Compatible memory cards	SD	Password protection type	Power on, Supervisor, SSD
Graphics		Operational conditions	
Discrete GPU manufacturer	NVIDIA	Operating temperature (T-T)	5 - 35 °C
Discrete graphics card model *	NVIDIA RTX 3500 Ada	Storage temperature (T-T)	5 - 43 °C
Discrete graphics card memory	12 GB	Operating relative humidity (H-H)	8 - 95%
Discrete graphics memory type	GDDR6	Storage relative humidity (H-H)	5 - 95%
On-board graphics card *	✓	Maximum shipping altitude	3048 m
On-board GPU manufacturer	Intel	Certificates	
Discrete graphics card *	✓	Compliance certificates	RoHS
On-board graphics card model *	Intel Iris Xe Graphics	Certification	MIL-STD-810H ISV TÜV
Audio		Sustainability	
Audio chip	Realtek ALC3306	Sustainability certificates	TCO, ENERGY STAR, EPEAT Gold
Audio system	Dolby Atmos	Weight & dimensions	
Number of built-in speakers	2	Width	359.5 mm
Speaker power	2 W	Depth	253.8 mm
Built-in microphone	✓	Height	17.5 mm
Number of microphones	2	Weight *	1.86 kg
Camera		Packaging content	
Front camera	✓	AC adapter included *	✓



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Publication date: 14-APR-2025. Prints or copies of Information are only valid on the printed Publication date