



Lenovo ThinkPad P1 Intel® Core™ i7 i7-12800H Mobile workstation 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : Lenovo

Product family: ThinkPad

Product code: 21DC004KUS

Product name : P1

- Windows 11 Pro 64-bit
- Intel Core i7-12800H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS
- 16GB (4800MHz) DDR5-SDRAM & 512GB SSD

Intel Core i7-12800H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel Iris Xe Graphics, WLAN, Webcam, Windows 11 Pro 64-bit

Lenovo ThinkPad P1. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12800H. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.81 kg



Design		Ports & interfaces	
Product type *	Mobile workstation	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Black	HDMI ports quantity *	1
Form factor *	Clamshell	Thunderbolt 4 ports quantity	2
Display		Intel® Thunderbolt 4	✓
Display diagonal *	40.6 cm (16")	Combo headphone/mic port	✓
Display resolution *	1920 x 1200 pixels	USB Type-C DisplayPort Alternate Mode	✓
Touchscreen *	✗	USB Power Delivery	✓
HD type	WUXGA	USB Sleep-and-Charge	✓
Panel type	IPS	USB Sleep-and-Charge ports	1
LED backlight	✓	Performance	
Native aspect ratio	16:10	Motherboard chipset	Intel SoC
Anti-glare screen	✓	Keyboard	
Display brightness	300 cd/m²	Pointing device	ThinkPad UltraNav
RGB colour space	sRGB	Keyboard layout	QWERTY
Colour gamut	100%	Keyboard language	English
Contrast ratio (typical)	1200:1	Numeric keypad *	✗
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor family *	Intel® Core™ i7	Software	
Processor generation	12th gen Intel® Core™ i7	Operating system architecture	64-bit
Processor model *	i7-12800H	Operating system language	English
Processor cores	14	Recovery operating system	Windows 10 Pro
Processor boost frequency	4.8 GHz	Operating system installed *	Windows 11 Pro
Processor cache	24 MB	Processor special features	
Configurable TDP-down	35 W	Intel Flex Memory Access	✓
Memory		Intel Trusted Execution Technology	✓
Internal memory *	16 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR5-SDRAM	Intel Stable Image Platform Program (SIPP)	✓
Memory clock speed	4800 MHz	Execute Disable Bit	✓
Memory form factor	SO-DIMM	CPU configuration (max)	1
Memory slots	2x SO-DIMM	Embedded options available	✗
Maximum internal memory *	64 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels	Dual-channel	Storage	
ECC	✗		

Storage		Processor special features	
Total storage capacity *	512 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD		
Total SSDs capacity	512 GB		
Number of SSDs installed	1		
SSD capacity	512 GB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	SD		
Graphics		Battery	
Discrete graphics card model *	Not available	Battery technology	Lithium Polymer (LiPo)
On-board graphics card *	✓	Battery capacity *	90 Wh
On-board GPU manufacturer	Intel	Fast charging	✓
Discrete graphics card *	✗		
On-board graphics card model *	Intel Iris Xe Graphics		
Audio		Power	
Audio chip	Realtek ALC3306	AC adapter power	135 W
Audio system	Dolby Atmos	AC adapter frequency	50 - 60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
Speaker power	2 W		
Built-in microphone	✓		
Number of microphones	2		
Camera		Security	
Front camera	✓	Cable lock slot	✓
Front camera resolution	1920 x 1080 pixels	Cable lock slot type	Kensington
Front camera HD type	Full HD	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
Network		Operational conditions	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Operating temperature (T-T)	5 - 35 °C
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Storage temperature (T-T)	5 - 43 °C
Mobile network connection *	✗	Operating relative humidity (H-H)	8 - 95%
Antenna type	2x2	Storage relative humidity (H-H)	5 - 95%
WLAN controller model	Intel Wi-Fi 6E AX211	Maximum shipping altitude	3048 m
WLAN controller manufacturer	Intel		
Ethernet LAN	✗		
Bluetooth	✓		
Bluetooth version	5.1		
		Certificates	
		Certification	EPEAT Gold ENERGY STAR 8.0 RoHS compliant MIL-STD-810H TÜV
		Weight & dimensions	
		Width	359.5 mm
		Depth	253.8 mm
		Height	17.7 mm
		Weight *	1.81 kg



0196800768308



196800768308

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 21-APR-2024. Prints or copies of Information are only valid on the printed Publication date