



Lenovo ThinkPad P15v Intel® Core™ i7 i7-12800H Mobile workstation 39,6 cm (15.6") 4K Ultra HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A2000 Wi-Fi 6E (802.11ax) Windows 11 Pro English Black



Brand : Lenovo

Product family: ThinkPad

Product code: 21D8002QUS

Product name : P15v

- Windows 11 Pro 64-bit
- Intel Core i7-12800H (24MB Cache)
- 39.6 cm (15.6") 4K Ultra HD 3840 x 2160 IPS, NVIDIA RTX A2000 (4GB GDDR6)
- 32GB (4800MHz) DDR5-SDRAM & 1000GB SSD
Intel Core i7-12800H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") 4K Ultra HD 3840 x 2160 IPS, Intel Iris Xe Graphics, NVIDIA RTX A2000 (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro 64-bit
Lenovo ThinkPad P15v. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12800H. Display diagonal: 39,6 cm (15.6"), HD type: 4K Ultra HD, Display resolution: 3840 x 2160 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA RTX A2000. Operating system installed: Windows 11 Pro. Product colour: Black

Design		Network	
Product type *	Mobile workstation	Bluetooth	✓
Product colour *	Black	Bluetooth version	5.1
Form factor *	Clamshell	Near Field Communication (NFC)	✗
Housing material	Polycarbonate (PC), Acrylonitrile butadiene styrene (ABS)	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	39,6 cm (15.6")	Ethernet LAN (RJ-45) ports	1
Display resolution *	3840 x 2160 pixels	HDMI ports quantity *	1
Touchscreen *	✗	Thunderbolt 4 ports quantity	1
HD type	4K Ultra HD	Intel® Thunderbolt 4	✓
Panel type	IPS	Combo headphone/mic port	✓
LED backlight	✓	USB Type-C DisplayPort Alternate Mode	✓
Native aspect ratio	16:9	USB Sleep-and-Charge	✓
Anti-glare screen	✓	USB Sleep-and-Charge ports	1
Display brightness	600 cd/m²	Performance	
RGB colour space	Adobe RGB	Motherboard chipset	Intel SoC
Colour gamut	100%	Keyboard	
Contrast ratio (typical)	1400:1	Pointing device	ThinkPad UltraNav
High Dynamic Range (HDR) technology	Dolby Vision, High Dynamic Range (HDR) 400	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor family *	Intel® Core™ i7	Keyboard layout	QWERTY
Processor generation	12th gen Intel® Core™ i7	Keyboard language	English
Processor model *	i7-12800H	Software	
Processor cores	14	Operating system architecture	64-bit
Processor boost frequency	4,8 GHz	Operating system language	English
Processor cache	24 MB	Operating system installed *	Windows 11 Pro
Configurable TDP-down	35 W	Processor special features	
Memory		Intel Flex Memory Access	✓
Internal memory *	32 GB	Intel Trusted Execution Technology	✓
Internal memory type	DDR5-SDRAM		
Memory clock speed	4800 MHz		

Memory		Processor special features	
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Stable Image Platform Program (SIPP)	✓
Maximum internal memory *	64 GB	Execute Disable Bit	✓
Memory channels	Dual-channel	CPU configuration (max)	1
ECC	✗	Embedded options available	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	1 TB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD	Battery	
Total kapasitas SSD	1 TB	Battery technology	Lithium Polymer (LiPo)
Number of SSDs installed	1	Battery capacity *	68 Wh
Solid-state drive capacity	1 TB	Fast charging	✓
Solid-state drive interface	NVMe, PCI Express 4.0	Power	
NVMe	✓	AC adapter power	135 W
SSD form factor	M.2	USB Power Delivery	✓
Optical drive type *	✗	Security	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	SD	Cable lock slot type	Kensington
Graphics		Fingerprint reader	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA RTX A2000	Trusted Platform Module (TPM) version	2.0
Discrete graphics card memory	4 GB	Password protection	✓
Discrete graphics memory type	GDDR6	Password protection type	BIOS, Power on, Supervisor, SSD
On-board graphics card *	✓	Operational conditions	
Discrete graphics card *	✓	Operating temperature (T-T)	5 - 35 °C
On-board graphics card model *	Intel Iris Xe Graphics	Storage temperature (T-T)	5 - 43 °C
Audio		Operating relative humidity (H-H)	8 - 95%
Audio chip	Realtek ALC3287	Storage relative humidity (H-H)	5 - 95%
Audio system	Dolby Audio Premium	Maximum shipping altitude	3048 m
Number of built-in speakers	2	Certificates	
Speaker power	2 W	Certification	EPEAT™ Gold ENERGY STAR® 8.0 TCO Certified 9.0 RoHS compliant MIL-STD-810H
Built-in microphone	✓	Weight & dimensions	
Number of microphones	2	Width	366,5 mm
Camera		Depth	250 mm
Front camera	✓	Height	22,7 mm
Front camera resolution	1280 x 720 pixels	Weight *	2,23 kg
Front camera HD type	HD		
Infrared (IR) camera	✓		
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		
Antenna type	2x2		
Ethernet LAN	✓		
Ethernet LAN data rates	1000,100 Mbit/s		



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