



Lenovo ThinkStation P3 Tower Gen 2 Intel Core Ultra 9 285K 96 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 4500 Blackwell Windows 11 Pro Workstation Black

Brand : Lenovo **Product family:** ThinkStation **Product code:** 30HT006JGE

Product name : ThinkStation
P3 Tower Gen 2



- Windows 11 Pro 64-bit
- Intel Core Ultra 9 285K (36MB Cache)
- NVIDIA RTX PRO 4500 Blackwell (32GB GDDR7)
- 96GB (5600MHz) DDR5-SDRAM & 1000GB SSD
Intel Core Ultra 9 285K (36MB Cache), 96GB DDR5-SDRAM, 1000GB SSD, Intel Graphics, NVIDIA RTX PRO 4500 Blackwell (32GB GDDR7), LAN, Windows 11 Pro 64-bit
Lenovo ThinkStation P3 Tower Gen 2. Processor family: Intel Core Ultra 9, Processor model: 285K. Internal memory: 96 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 5600 MHz. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA RTX PRO 4500 Blackwell. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 750 W. Chassis type: Tower. Product type: Workstation. Product colour: Black

Processor		Network	
Processor manufacturer *	Intel	Ethernet LAN *	✓
Processor family *	Intel Core Ultra 9	Ethernet LAN data rates	1000 Mbit/s
Processor generation	Intel Core Ultra (Series 2)	Cabling technology	10/100/1000Base-T(X)
Processor model *	285K	LAN controller	Intel® I219-LM
Processor cores	24	Ports & interfaces	
Processor threads	24	USB 2.0 ports quantity *	2
Processor boost frequency	5.7 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Efficient cores	16	USB 3.2 Gen 2x2 Type-C ports quantity	2
Performance-core Max Turbo Frequency	5.5 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4.6 GHz	HDMI version	2.1
Performance-core base frequency	3.7 GHz	DisplayPorts quantity	2
Efficient-core base frequency	3.2 GHz	DisplayPort version	1.4
Processor cache	36 MB	Ethernet LAN (RJ-45) ports	1
Processor cache type	Smart Cache	Microphone in	✓
Number of processors installed	1	Line-out	✓
Processor base power	125 W	Combo headphone/mic port	✓
Maximum turbo power	250 W	Design	
Neural processor unit (NPU)		Chassis type *	Tower
Neural processor unit (NPU)	Intel AI Boost	Volume	27 L
Sparsity support	✓	Placement supported	Vertical
Windows Studio effects support	✓	Cable lock slot	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Cable lock slot type	Kensington
Total processor performance up to	36 TOPs	Product colour *	Black
NPU performance up to	13 TOPs	Performance	
GPU performance up to	8 TOPs	Motherboard chipset	Intel W880
Memory		Built-in speaker(s)	✓
Internal memory *	96 GB	Password protection	✓
Maximum internal memory *	256 GB	Password protection type	BIOS, Power on
Internal memory type	DDR5-SDRAM	Trusted Platform Module (TPM)	✓
Memory layout (slots x size)	2 x 48 GB	Product type *	Workstation
Memory slots	4x DIMM		
Memory clock speed	5600 MHz		

Memory		Performance	
Non-ECC	✓	Trusted Platform Module (TPM) version	2.0
Memory channels	Dual-channel	Software	
Storage		Operating system architecture	64-bit
Total storage capacity *	1 TB	Operating system language	German
Storage media *	SSD	Operating system installed *	Windows 11 Pro
Number of storage drives installed	1	Power	
Total SSDs capacity	1 TB	Power supply *	750 W
Number of SSDs installed	1	80 PLUS certification	80 PLUS Platinum
SSD capacity	1 TB	Operational conditions	
SSD interface	PCI Express 5.0	Operating temperature (T-T)	10 - 35 °C
NVMe	✓	Storage temperature (T-T)	-40 - 60 °C
SSD form factor	M.2	Operating relative humidity (H-H)	20 - 80%
M.2 SSD size	2280 (22 x 80 mm)	Storage relative humidity (H-H)	10 - 90%
Card reader integrated	✓	Operating altitude	0 - 3048 m
Compatible memory cards	SD	Non-operating altitude	0 - 12192 m
Graphics		Certificates	
Discrete graphics card *	✓	Compliance certificates	RoHS
Discrete GPU manufacturer	NVIDIA	Certification	ErP Lot 3 TCO Certified 10.0 MIL-STD-810H
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card model *	NVIDIA RTX PRO 4500 Blackwell	Width *	180 mm
Discrete graphics card memory	32 GB	Depth *	370 mm
Discrete graphics memory type	GDDR7	Height *	415 mm
Number of discrete graphics cards	1	Weight *	14.4 kg
On-board GPU manufacturer	Intel	Packaging content	
On-board graphics card family	Intel® Graphics	Mouse included	✓
On-board graphics card model *	Intel® Graphics	Mouse connectivity	Wired
Graphics card DisplayPorts quantity	4	Keyboard included	✓
		Display	
		Display included *	✗
		Keyboard	
		Keyboard connectivity	Wired
		Audio	
		Audio chip	Realtek ALC623-CG
		Audio system	High Definition Audio
		Number of speakers	1



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