



Lenovo ThinkStation P3 Intel® Core™ i9 i9-13900K 64 GB DDR5-SDRAM 4 TB HDD+SSD NVIDIA RTX A4500 Windows 11 Pro Tower Workstation Black



Brand : Lenovo **Product family:** ThinkStation **Product code:** 30GS0054AU

Product name : P3

- Windows 11 Pro 64-bit
 - Intel Core i9-13900K (36MB Cache)
 - NVIDIA RTX A4500 (20GB GDDR6)
 - 64GB (4800MHz) DDR5-SDRAM (2 x 32) & 2000GB HDD, 2000GB SSD
 Intel Core i9-13900K (36MB Cache), 64GB DDR5-SDRAM, 2000GB HDD, 2000GB SSD, Intel UHD Graphics 770, NVIDIA RTX A4500 (20GB GDDR6), LAN, Windows 11 Pro 64-bit
 Lenovo ThinkStation P3. Processor family: Intel® Core™ i9, Processor model: i9-13900K. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800 MHz. Total storage capacity: 4 TB, Storage media: HDD+SSD. On-board graphics card model: Intel UHD Graphics 770, Discrete graphics card model: NVIDIA RTX A4500. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 1100 W. Chassis type: Tower. Product type: Workstation. Product colour: Black

Processor		Network	
Processor manufacturer *	Intel	Cabling technology	10/100/1000Base-T(X)
Processor family *	Intel® Core™ i9	LAN controller	Intel® I219-LM
Processor generation	13th gen Intel® Core™ i9	Wi-Fi *	✗
Processor model *	i9-13900K	Bluetooth	✗
Processor cores	24	Ports & interfaces	
Processor threads	32	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
Processor boost frequency	5.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Efficient cores	16	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.4 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	4.3 GHz	DisplayPorts quantity	2
Performance-core base frequency	3 GHz	DisplayPort version	1.4
Efficient-core base frequency	2.2 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	36 MB	Microphone in	✓
Processor cache type	Smart Cache	Line-out	✓
Bus type	DMI4	Combo headphone/mic port	✓
Number of processors installed	1	Design	
Processor base power	125 W	Chassis type *	Tower
Maximum turbo power	253 W	Volume	27 L
Memory		Placement supported	Vertical
Internal memory *	64 GB	Cable lock slot	✓
Maximum internal memory *	128 GB	Cable lock slot type	Kensington
Internal memory type	DDR5-SDRAM	Product colour *	Black
Memory layout (slots x size)	2 x 32 GB	Performance	
Memory slots	4x DIMM	Motherboard chipset	Intel W680
Memory clock speed	4800 MHz	Audio chip	Realtek ALC897Q-CG
Non-ECC	✓	Audio system	High Definition Audio
Memory channels	Dual-channel	Built-in speaker(s)	✓
Storage		Number of speakers	1
Total storage capacity *	4 TB	Password protection	✓
Storage media *	HDD+SSD	Password protection type	BIOS, Power on, Supervisor
Optical drive type *	✗	BIOS type	UEFI
Number of storage drives installed	2	Trusted Platform Module (TPM)	✓
Total HDDs capacity	2 TB		
Number of HDDs installed	1		

Storage		Performance	
HDD interface	SATA III	Product type *	Workstation
HDD speed	7200 RPM	Software	
HDD size	3.5"	Operating system installed *	Windows 11 Pro
Total SSDs capacity	2 TB	Operating system architecture	64-bit
Number of SSDs installed	1	Operating system language	English
SSD capacity	1 TB	Processor special features	
SSD interface	PCI Express 4.0	CPU configuration (max)	1
NVMe	✓	Power	
SSD form factor	M.2	Power supply *	1100 W
Card reader integrated	✗	Power supply input voltage	100 - 240 V
Graphics		80 PLUS certification	80 PLUS Platinum
Discrete graphics card *	✓	Operational conditions	
On-board graphics card *	✓	Operating temperature (T-T)	10 - 35 °C
Discrete graphics card model *	NVIDIA RTX A4500	Storage temperature (T-T)	-40 - 60 °C
Discrete graphics card memory	20 GB	Operating relative humidity (H-H)	20 - 80%
Discrete graphics memory type	GDDR6	Storage relative humidity (H-H)	10 - 90%
Number of discrete graphics cards	1	Operating altitude	0 - 3048 m
On-board GPU manufacturer	Intel	Non-operating altitude	0 - 12192 m
On-board graphics card family	Intel® UHD Graphics	Certificates	
On-board graphics card model *	Intel UHD Graphics 770	Certification	EPEAT Gold Registered ENERGY STAR 8.0 ErP Lot 3 TCO Certified 9.0 RoHS compliant
Graphics card DisplayPorts quantity	4	Weight & dimensions	
Network		Width *	180 mm
Ethernet LAN *	✓	Depth *	370 mm
Ethernet LAN data rates	100,1000 Mbit/s	Height *	415 mm
		Weight *	13.6 kg
		Packaging content	
		Display included *	✗
		Mouse included	✓
		Keyboard included	✓



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