Lenovo

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

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-13900K
Processor cores	24
Processor threads	32
Processor boost frequency	5.8 GHz
Performance cores	8
Efficient cores	16
Performance-core Max Turbo Frequency	5.4 GHz
Efficient-core Max Turbo Frequency	4.3 GHz
Performance-core base frequency	3 GHz
Efficient-core base frequency	2.2 GHz
Processor cache	36 MB
Processor cache type	Smart Cache
Bus type	DMI4
Number of processors installed	1
Processor base power	125 W
Maximum turbo power	253 W

Memory

Internal memory *	64 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 32 GB
Memory slots	4x DIMM
Memory clock speed	4800 MHz
Non-ECC	✔
Memory channels	Dual-channel

Storage

Total storage capacity *	4 TB
Storage media *	HDD+SSD
Optical drive type *	✘
Number of storage drives installed	2
Total HDDs capacity	2 TB
Number of HDDs installed	1

Network

Cabling technology	10/100/1000Base-T(X)
LAN controller	Intel® I219-LM
Wi-Fi *	✘
Bluetooth	✘

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	2
DisplayPort version	1.4
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Line-out	✔
Combo headphone/mic port	✔

Design

Chassis type *	Tower
Volume	27 L
Placement supported	Vertical
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black

Performance

Motherboard chipset	Intel W680
Audio chip	Realtek ALC897Q-CG
Audio system	High Definition Audio
Built-in speaker(s)	✔
Number of speakers	1
Password protection	✔
Password protection type	BIOS, Power on, Supervisor
BIOS type	UEFI
Trusted Platform Module (TPM)	✔

Storage

HDD interface	SATA III
HDD speed	7200 RPM
HDD size	3.5"
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Card reader integrated	✘

Graphics

Discrete graphics card *	✔
On-board graphics card *	✔
Discrete graphics card model *	NVIDIA RTX A4500
Discrete graphics card memory	20 GB
Discrete graphics memory type	GDDR6
Number of discrete graphics cards	1
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770
Graphics card DisplayPorts quantity	4

Network

Ethernet LAN *	✔
Ethernet LAN data rates	100,1000 Mbit/s

Performance

Product type *	Workstation

Software

Operating system installed *	Windows 11 Pro
Operating system architecture	64-bit
Operating system language	English

Processor special features

CPU configuration (max)	1

Power

Power supply *	1100 W
Power supply input voltage	100 - 240 V
80 PLUS certification	80 PLUS Platinum

Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	10 - 90%
Operating altitude	0 - 3048 m
Non-operating altitude	0 - 12192 m

Certificates

Certification	EPEAT Gold Registered ENERGY STAR 8.0 ErP Lot 3 TCO Certified 9.0 RoHS compliant

Weight & dimensions

Width *	180 mm
Depth *	370 mm
Height *	415 mm
Weight *	13.6 kg

Packaging content

Display included *	✘
Mouse included	✔
Keyboard included	✔

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