Lenovo

Lenovo ThinkStation P3 Intel® Core™ i7 i7-13700 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A2000 Windows 11 Pro Tower Workstation Black

Brand : Lenovo   **Product family:** ThinkStation   **Product code:** 30GS0037US

Product name : P3

- Windows 11 Pro 64-bit
- Intel Core i7-13700 (30MB Cache)
- NVIDIA RTX A2000 (12GB GDDR6)
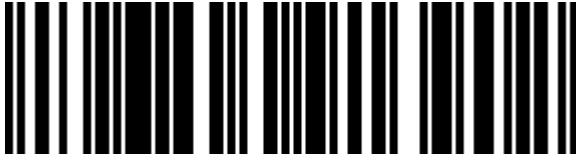- 32GB (4800MHz) DDR5-SDRAM (1 x 32) & 1000GB SSD
Intel Core i7-13700 (30MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, Intel UHD Graphics 770, NVIDIA RTX A2000 (12GB GDDR6), LAN, Windows 11 Pro 64-bit
Lenovo ThinkStation P3. Processor family: Intel® Core™ i7, Processor model: i7-13700. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800 MHz. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel UHD Graphics 770, Discrete graphics card model: NVIDIA RTX A2000. 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

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700
Processor cores	16
Processor threads	24
Processor boost frequency	5.8 GHz
Performance cores	8
Efficient cores	8
Performance-core Max Turbo Frequency	5.1 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.1 GHz
Efficient-core base frequency	1.5 GHz
Processor cache	30 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 *	32 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 32 GB
Memory slots	4x DIMM
Memory clock speed	4800 MHz
Non-ECC	✔
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	1 TB
Number of SSDs installed	1

Network

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	3
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)	✔
Product type *	Workstation

Storage

SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Card reader integrated	✔
Compatible memory cards	SD

Graphics

Discrete graphics card *	✔
Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✔
Discrete graphics card model *	NVIDIA RTX A2000
Discrete graphics card memory	12 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 Mini DisplayPort ports quantity	4

Network

Ethernet LAN *	✔
Ethernet LAN data rates	100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
LAN controller	Intel® I219-LM

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 *	750 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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