Lenovo

Lenovo ThinkStation P7 Intel Xeon W w5-3425 64 GB DDR5-SDRAM 1 TB SSD NVIDIA Quadro T1000 Windows 11 Pro for Workstations Tower Workstation Black, Red

Brand : Lenovo   **Product family:** ThinkStation   **Product code:** 30F30012US

Product name : P7

- Windows 11 Pro for Workstations 64-bit
- Intel Xeon w5-3425 (30MB Cache, 3.2GHz)
- NVIDIA Quadro T1000 (8GB GDDR6)
- 64GB (4800MHz) DDR5-SDRAM (4 x 16) & 1000GB SSD
Intel Xeon w5-3425 (30MB Cache, 3.2GHz), 64GB DDR5-SDRAM, 1000GB SSD, NVIDIA Quadro T1000
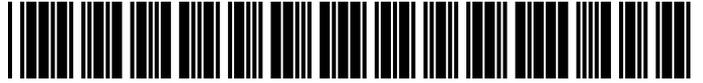(8GB GDDR6), LAN, Windows 11 Pro for Workstations 64-bit
Lenovo ThinkStation P7. Processor frequency: 3.2 GHz, Processor family: Intel Xeon W, Processor model:
w5-3425. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800
MHz. Total storage capacity: 1 TB, Storage media: SSD. Discrete graphics card model: NVIDIA Quadro
T1000. Operating system installed: Windows 11 Pro for Workstations, Operating system architecture: 64-
bit. Power supply: 1400 W. Chassis type: Tower. Product type: Workstation. Product colour: Black, Red

Processor

Processor manufacturer *	Intel
Processor family *	Intel Xeon W
Processor model *	w5-3425
Processor cores	12
Processor threads	24
Processor boost frequency	4.6 GHz
Processor frequency *	3.2 GHz
Performance cores	12
Processor cache	30 MB
Processor cache type	Smart Cache
Processor base power	270 W
Maximum turbo power	324 W

Memory

Internal memory *	64 GB
Maximum internal memory *	1 TB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	4 x 16 GB
Memory slots	8x DIMM
Memory clock speed	4800 MHz
ECC	✔
Memory channels	Octa-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
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Card reader integrated	✔

Graphics

Discrete graphics card *	✔

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
USB 3.2 Gen 2x2 Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	2
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔

Design

Chassis type *	Tower
Volume	39 L
Placement supported	Horizontal/Vertical
Product colour *	Black, Red

Performance

Motherboard chipset	Intel W790
Built-in speaker(s)	✔
Password protection	✔
Password protection type	Power on, Supervisor
BIOS type	UEFI
Trusted Platform Module (TPM)	✔
Product type *	Workstation

Software

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

Power

Power supply *	1400 W
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%

Graphics

Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✘
Discrete graphics card model *	NVIDIA Quadro T1000
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
Number of discrete graphics cards	1
On-board graphics card model *	Not available
Graphics card Mini DisplayPort ports quantity	4

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,1000,100,10000 Mbit/s
LAN controller	Intel® I219-LM, Marvell AQtion AQC113C
Wi-Fi *	✘
Bluetooth	✘

Ports & interfaces

USB 2.0 ports quantity *	2

Operational conditions

Storage relative humidity (H-H)	10 - 90%
Operating altitude	0 - 3048 m
Non-operating altitude	0 - 12192 m

Certificates

Compliance certificates	RoHS
Certification	ISV

Sustainability

Sustainability certificates	ENERGY STAR, EPEAT Gold, TCO

Weight & dimensions

Width *	175 mm
Depth *	508 mm
Height *	440.4 mm
Weight *	24.5 kg

Packaging content

Mouse included	✔
Keyboard included	✔

Display

Display included *	✘

Audio

Audio chip	Realtek ALC897-Q
Number of speakers	1

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