



# Lenovo ThinkStation P7 Intel Xeon W w5-3423 32 GB DDR5-SDRAM 512 GB SSD NVIDIA Quadro T1000 Windows 11 Pro for Workstations Tower Workstation Black, Red



**Brand :** Lenovo      **Product family:** ThinkStation      **Product code:** 30F30019US  
**Product name :** P7

- Windows 11 Pro for Workstations 64-bit  
 - Intel Xeon W5-3423 (30MB Cache, 2GHz)  
 - NVIDIA Quadro T1000 (8GB GDDR6)  
 - 32GB (4800MHz) DDR5-SDRAM (2 x 16) & 512GB SSD  
 Intel Xeon W5-3423 (30MB Cache, 2GHz), 32GB DDR5-SDRAM, 512GB SSD, NVIDIA Quadro T1000 (8GB GDDR6), LAN, Windows 11 Pro for Workstations 64-bit  
 Lenovo ThinkStation P7. Processor frequency: 2 GHz, Processor family: Intel Xeon W, Processor model: w5-3423. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800 MHz. Total storage capacity: 512 GB, 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		Network	
Processor manufacturer *	Intel	Ethernet LAN *	✓
Processor family *	Intel Xeon W	Ethernet LAN data rates	10,1000,100,10000 Mbit/s
Processor model *	w5-3423	LAN controller	Intel® I219-LM, Marvell AQtion AQC113C
Processor cores	12	Wi-Fi *	✗
Processor threads	24	Bluetooth	✗
Processor frequency *	2 GHz	Ports & interfaces	
Performance cores	12	USB 2.0 ports quantity *	2
Performance-core Max Turbo Frequency	4.2 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5
Performance-core base frequency	2.1 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Processor cache	30 MB	USB 3.2 Gen 2x2 Type-C ports quantity	1
Processor cache type	L3	Ethernet LAN (RJ-45) ports	2
Memory		Combo headphone/mic port	✓
Internal memory *	32 GB	Line-out	✓
Maximum internal memory *	1 TB	Line-in	✓
Internal memory type	DDR5-SDRAM	Power	
Memory layout (slots x size)	2 x 16 GB	Power supply *	1400 W
Memory slots	8x DIMM	80 PLUS certification	80 PLUS Platinum
Memory clock speed	4800 MHz	Design	
ECC	✓	Chassis type *	Tower
Memory channels	Octa-channel	Volume	39 L
Storage		Placement supported	Horizontal/Vertical
Total storage capacity *	512 GB	Product colour *	Black, Red
Storage media *	SSD	Software	
Optical drive type *	✗	Operating system architecture	64-bit
Number of storage drives installed	1	Operating system language	English
Total SSDs capacity	512 GB	Operating system installed *	Windows 11 Pro for Workstations
Number of SSDs installed	1	Display	
SSD capacity	512 GB	Display included *	✗
SSD interface	PCI Express 4.0	Audio	
NVMe	✓	Audio chip	Realtek ALC897-Q
SSD form factor	M.2		
Card reader integrated	✓		
Graphics			
Discrete graphics card *	✓		

Graphics		Audio	
Discrete GPU manufacturer	NVIDIA	Number of speakers	1
On-board graphics card *	✗	Operational conditions	
Discrete graphics card model *	NVIDIA Quadro T1000	Operating temperature (T-T)	10 - 35 °C
Discrete graphics card memory	8 GB	Storage temperature (T-T)	-40 - 60 °C
Discrete graphics memory type	GDDR6	Operating relative humidity (H-H)	20 - 80%
Number of discrete graphics cards	1	Storage relative humidity (H-H)	10 - 90%
On-board graphics card model *	Not available	Operating altitude	0 - 3048 m
Graphics card Mini DisplayPort ports quantity	4	Non-operating altitude	0 - 12192 m
Performance		Weight & dimensions	
Motherboard chipset	Intel W790	Width *	175 mm
Password protection	✓	Depth *	508 mm
Password protection type	Power on, Supervisor	Height *	440.4 mm
BIOS type	UEFI	Weight *	24.5 kg
Trusted Platform Module (TPM)	✓	Packaging content	
Product type *	Workstation	Mouse included	✓
Built-in speaker(s)	✓	Keyboard included	✓
		Certificates	
		Compliance certificates	RoHS
		Certification	ISV
		Sustainability	
		Sustainability certificates	ENERGY STAR, EPEAT Gold, TCO



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