Lenovo

Lenovo ThinkStation P8 AMD Ryzen Threadripper PRO 7945WX 64 GB DDR5-SDRAM 2 TB SSD NVIDIA T1000 Windows 11 Pro Tower Workstation Black

Brand : Lenovo   **Product family:** ThinkStation   **Product code:** 30HH002XUS

Product name : P8

- Windows 11 Pro
- AMD Ryzen Threadripper PRO 7945WX (64MB Cache, 4.7GHz)
- 64GB (4800MHz) DDR5-SDRAM (4 x 16) & 1000GB SSD

AMD Ryzen Threadripper PRO 7945WX, 4x 16 GB RDIMM DDR5, 1x 2 TB SSD M.2, TF, 1x NVIDIA T1000 8GB, Wi-Fi, Bluetooth, RJ-45, USB, USB-C, 3.5 mm, 175 x 508 x 434.4 mm, Windows 11 Pro, English Lenovo ThinkStation P8. Processor frequency: 4.7 GHz, Processor family: AMD Ryzen Threadripper PRO, Processor model: 7945WX. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 4800 MHz. Total storage capacity: 2 TB, Storage media: SSD, Card reader integrated. Discrete graphics card model: NVIDIA T1000. Operating system installed: Windows 11 Pro. Power supply: 1400 W. Chassis type: Tower. Product type: Workstation. Product colour: Black
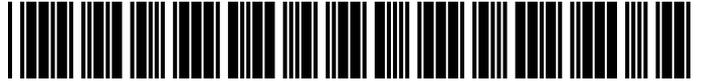
Processor

Processor manufacturer *	AMD
Processor family *	AMD Ryzen Threadripper PRO
Processor generation	AMD Ryzen Threadripper PRO 7000 WX-Series
Processor model *	7945WX
Processor cores	12
Processor threads	24
Processor boost frequency	5.3 GHz
Processor frequency *	4.7 GHz
Processor cache	64 MB
Processor cache type	L3
Number of processors installed	1
Processor socket	Socket sTR5

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

Ports & interfaces

USB 3.2 Gen 2x2 Type-C ports quantity	3
Ethernet LAN (RJ-45) ports	2
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔
Number of rear USB ports	6
Number of front USB ports	4
Number of rear audio ports	2

Design

Chassis type *	Tower
Volume	39 L
Placement supported	Horizontal/Vertical
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black

Performance

Motherboard chipset	AMD WRX90
Audio chip	Realtek ALC897-Q
Audio system	High Definition Audio
Built-in speaker(s)	✔
Number of speakers	1

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 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 T1000
Discrete graphics card memory	8 GB
On-board graphics card model *	Not available

Network

Ethernet LAN *	✔
Ethernet LAN data rates	1000,10000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
LAN controller	Marvell AQC113, Realtek RTL8111EP
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
WLAN controller manufacturer	AMD
WLAN controller model	AMD RZ616
Antenna type	2x2
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5

Performance

Password protection	✔
Password protection type	BIOS, Power on, Supervisor
Trusted Platform Module (TPM)	✔
Product type *	Workstation
Trusted Platform Module (TPM) version	2.0

Software

Operating system language	English
Operating system installed *	Windows 11 Pro

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

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	ENERGY STAR, EPEAT Gold, GREENGUARD, TCO

Weight & dimensions

Width *	175 mm
Depth *	508 mm
Height *	434.4 mm
Weight *	22.7 kg

Packaging content

Mouse included	✔
Mouse connectivity	Wired
Keyboard included	✔
Keyboard connectivity	Wired

Display

Display included *	✘

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