

# ThinkStation P8

## PERFORMANCE

**Processor**  
AMD Ryzen™ Threadripper PRO 7945WX (12C / 24T, 4.7 / 5.3GHz, 12MB L2 / 64MB L3)

**Processor Sockets**  
1x sTR5

**Chipset**  
AMD WRX90 chipset

**Memory**  
4x 16GB RDIMM DDR5-4800 ECC

**Memory Slots**  
8 DDR5 DIMM slots, 8 channels capable

**Max Memory**<sup>[1]</sup>  
Up to 1TB (8x 128GB 3DS-RDIMM)

**PCIe® NVMe® Controller**  
Integrated NVMe® Controller with RAID 0/1/10/5

**PCIe® NVMe® Drive**  
1x 1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal

**SATA Controller**  
Integrated SATA Controller with RAID 0/1/5

**Storage Support**<sup>[2][3]</sup>  
Up to 7 drives (HDD maximum, 3x 3.5" HDD + 4x M.2 SSD);  
or 8 drives (M.2 SSD maximum, 8x M.2 SSD);  
or 6 drives (U.3 SSD maximum, 2x U.3 SSD + 4x M.2 SSD)  
• 3.5" HDD up to 12TB each  
• M.2 SSD up to 4TB each  
• U.3 SSD up to 15.36TB each

**Audio Chip**  
High Definition (HD) Audio, Realtek® ALC897-Q codec

**Power Supply**  
1000W Platinum Fixed

## DESIGN

**Keyboard**  
USB Traditional Keyboard, Black, English (EU)

**Mouse**  
USB Calliope Mouse, Black

**Expansion Slots**  
Supports 7 PCIe® slots with 6x PCIe® 5.0 slots and 1x PCIe® 4.0 slot.  
• Slot 1: PCIe® 5.0 x16, full height, full length, 75W, double-width  
• Slot 2: PCIe® 5.0 x8, full height, full length, 25W  
• Slot 3: PCIe® 5.0 x16, full height, full length, 75W, double-width  
• Slot 4: PCIe® 5.0 x8, full height, full length, 25W  
• Slot 5: PCIe® 5.0 x16, full height, full length, 75W, double-width  
• Slot 6: PCIe® 5.0 x16, full height, full length, 75W  
• Slot 7: PCIe® 4.0 x8, full height, half length, 25W

**Bays**  
Three internal disk bays plus one front access M.2 bay:  
• Bay 1 supports one 3.5" HDD, standard, optional support for two M.2 SSD or one U.3 SSD  
• Bay 2 supports one 3.5" HDD, standard, optional support for two M.2 SSD or one U.3 SSD  
• Bay 3 supports one 3.5" HDD, optional  
• Front access M.2 bay supports one M.2 SSD, optional

**Dimensions (WxDxH)**<sup>[4]</sup>  
175 x 508 x 434.4 mm (6.9 x 20 x 17.1 inches, with feet)

**Weight**<sup>[5]</sup>  
22.7 kg (50.0 lbs, maximum configuration)

## CONNECTIVITY

**Onboard Ethernet**  
Realtek® RTL8111EP + Marvell AQtion AQC-113, 2x RJ-45, GbE + 10GbE

**Card Reader**  
15-in-1 Card Reader

**Front Ports**  
1x headphone / microphone combo jack (3.5mm)

**Optional Front Ports (configured)**  
• 2x USB-C® 3.2 Gen 2  
• 2x USB 3.2 Gen 2

**Rear Ports**<sup>[6]</sup>  
• 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only  
• 2x USB-A (Hi-Speed USB / USB 2.0)  
• 3x USB-A (USB 10Gbps / USB 3.2 Gen 2)  
• 1x Ethernet (10GbE RJ-45)  
• 1x Ethernet (GbE RJ-45)  
• 1x line-in (3.5mm)  
• 1x line-out (3.5mm)

## SECURITY & PRIVACY

**Security Chip**  
Discrete TPM 2.0, TCG certified

**Physical Locks**  
• Access panel lock kit with common key  
• Kensington® Security Slot™, 3 x 7 mm

**Cover Lock**  
Lock Kit with Common Key

**Chassis Intrusion Switch**  
Chassis Intrusion Switch

## MANAGEABILITY

**System Management**  
AMD PRO Manageability

**Diagnostic**  
Front Diagnostic Panel with QR code

## SERVICE

**Base Warranty**  
3-year, Onsite

**Included Upgrade**  
3Y Premier TS WHB (CPN)

## CERTIFICATIONS

**Green Certifications**  
• ENERGY STAR® 8.0, EPEAT™ Gold Registered  
• ENERGY STAR® 8.0  
• EPEAT™ Gold Registered  
• TCO Certified 9.0  
• GREENGUARD®  
• RoHS compliant

**ISV Certifications**  
Please visit [ISV certifications for Lenovo® Workstations](#)

## SOFTWARE

**Operating System**  
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

## MODEL

<b>TopSeller</b>	: Yes	<b>Announce Date</b>	: 2024-01-08
<b>EAN / UPC / JAN</b>	: 0197531357281	<b>End of Support</b>	: 2032-01-25

Note:  
<sup>[1]</sup> The max memory is based on the test results with current Lenovo memory offerings.  
<sup>[2]</sup> The storage capacity supported is based on the test results with current Lenovo storage offerings.  
<sup>[3]</sup> For certain post-manufacturing storage upgrades, additional upgrade kits may be required.  
<sup>[4]</sup> The system dimensions may vary depending on configurations.  
<sup>[5]</sup> The system weight is approximate and based on results in.....

• Lenovo reserves the right to change specifications without notice.  
To see more note information, please link to  
<https://psref.lenovo.com/Detail/2369?M=30HH001MH>

## Premier Support - A direct 24x7x365 line to our most elite technicians.

Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

## Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

## Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories

### Lenovo USB-C to Ethernet Adapter

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

## Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39074)
BETTER	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86673)
GOOD	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39415)

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

**PSREF**  
Product Specifications  
Reference