

Lenovo ThinkStation

Lenovo ThinkStation P8

AMD Ryzen Threadripper PRO 7000 WX-Series Processor

Lenovo



The bold Lenovo ThinkStation P8 is a force to be reckoned with and brings together breakthrough compute architecture with an optimized thermal design in a versatile, Aston Martin inspired chassis. The ThinkStation P8 is the leading AMD Ryzen™ Threadripper™ PRO 7000 WX-Series processor powered workstation delivering game-changing power and speed with the largest core count professional workstation up to 96 cores and 5.3GHz. Perfect for those who demand more power for multi-threaded applications and intense (high demand) workloads with professional manageability and enterprise-class services & support.

Processor:

96 Cores
5.3GHz

AMD Ryzen Threadripper PRO
7000 WX-Series Processor

Graphics:

3 NVIDIA RTX™
6000 Ada

Or up to 4 NVIDIA RTX A4000

ECC Memory:

1TB
DDR5

8 DIMM Slots

Internal Storage:

52TB

Up to 9 Drives Total*

Features



Aston Martin Inspired Chassis
Tool-less and customizable with hot-swap, front access drives



Rack-Optimized
Flexibility between desktop and data center with non-disruptive workstation acoustics



Advanced Thermal Design
To maximize component performance and productivity



Breakthrough Compute Architecture
Latest AMD Ryzen Threadripper Pro 7000 WX-Series processors, with up to 96 cores in a single socket for compute-intensive, multithreaded workloads

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AMD Ryzen Threadripper PRO 7000 WX-Series Processor

Product Specifications[^]

Performance

Processor

AMD Ryzen™ Threadripper™ Pro 7000 WX-Series (up to 96 cores, up to 5.3GHz)

Chipset

AMD WRX90

Graphics

NVIDIA

Up to 3 NVIDIA RTX™ 6000 Ada (48GB VRAM)[^] or

Up to 4 NVIDIA RTX A4000 (16GB VRAM)[^]

AMD

Up to AMD Radeon PRO W7900 (48GB VRAM) or

Up to 4 AMD Radeon PRO W7600 (8GB VRAM)

Total Memory

Up to 1TB DDR5, up to 4800MHz¹

Memory DIMM Capacity

16GB / 32GB / 64GB ECC RDIMM

128GB ECC 3DS-RDIMM

8 DIMM Slots

Storage Type Capacity

M.2 PCIe NVMe SSD up to 4TB

U.3 PCIe NVMe SSD up to 15.3TB

3.5" SATA HDD up to 12TB

Total Storage^{2,^}

Up to 7 total drives

Max M.2 = 4 (16TB)

Max 3.5" = 3 (36TB)

Up to 9 total drives

Max M.2 = 8 (32TB)

Max 3.5" = 1 (12TB)

RAID

M.2 = 0/1/10/5

SATA = 0/1/5

Power Supply[^]

1000W, 1400W (92% efficient)

Rear power button

Connectivity

Front Ports

(1) Audio Combo Jack

Optional Front Ports

(2) USB-C® 3.2 Gen 2 (10Gbps)*

(2) USB-A 3.2 Gen 2 (10Gbps)*

Rear Ports

(2) USB-A 2.0*

(3) USB-A 3.2 Gen 2 (10Gbps)*

(1) USB-C 3.2 Gen 2x2 (20Gbps)*

(1) RJ-45 10 Gigabit Ethernet

(1) RJ-45 Gigabit Ethernet

(1) Audio Line In

(1) Audio Line Out

Optional Rear Ports

(1) Serial

WLAN

Mediatek RZ616 WiFi 6E + Bluetooth™ 5.2^{3,4}

Integrated Wi-Fi Antennas⁴

Expansion Slots

(4) PCIe 5.0 x16

(2) PCIe 5.0 x8

(1) PCIe 4.0 x8

Expansion Options⁴

PS/2

USB-C

LAN

Front Access Storage

Design

Dimensions (WxDxH)

(mm): 175 x 508 x 435

(inches): 6.9 x 20 x 17.1

Weight

Up to 25.9kg (57.1lbs)

**Smarter
technology
for all**

Lenovo

¹ 1TB available depending on configuration

² Any combination of storage to equal maximum storage drives; additional hardware may be required

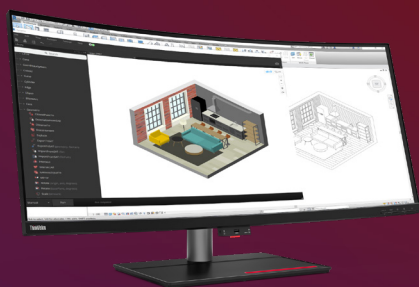
³ Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

⁴ Optional, additional hardware may be required

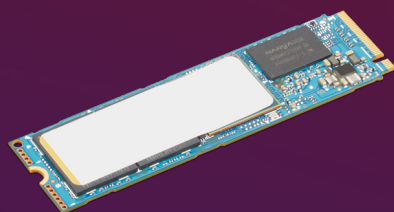
[^] For a full list of configuration details, specifications, and any limitations please visit: <https://psref.lenovo.com>

* USB port transfer speeds are approximate and depend on many factors, such as processing capability of host/peripheral devices, file attributes, system configuration and operating environments; actual speeds will vary and may be less than expected.

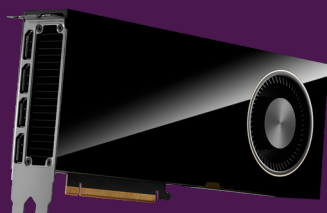
Lenovo Options & Accessories



ThinkVision P40w-20



4TB Performance PCIe Gen4
NVMe OPAL2 M.2 2280 SSD



NVIDIA RTX™ 6000 Ada
Graphics Card

For a full list of accessories
and options, please visit:
accsmartfind.lenovo.com

For more details on ThinkStation
and ThinkPad, please visit:
lenovo.com/thinkworkstations

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General Specifications[^]

Software

Operating System

Preloaded

Windows 11 Pro

Ubuntu® Linux®¹

Supported

Red Hat® Enterprise Linux* (certified)

Windows Preloads

Lenovo Commercial Vantage

ISV Certifications

Including AVID®, Altair®,
Autodesk®, ANSYS®, Bentley®,
Dassault®, Nemetschek®, PTC®,
Siemens®

For a complete list of ISV certifications visit
<http://www.thinkworkstations.com/isv-certifications/>

Security

ThinkShield

TPM 2.0

Self-healing BIOS

Power On Password

UEFI Secure Boot

Kensington Lock Slot

Side Door Cover Lock

Sustainability

Certifications

ENERGY STAR®²

EPEAT®³ Gold

RoHS Compliant

TCO 9.0

80 Plus Platinum power supply

Recommended Services

Lenovo offers a comprehensive
portfolio of services to support
and protect your ThinkStation
investment—so you can focus on
your business, not your IT.

Premier Support

Bypass phone menus and scripted
troubleshooting to access advanced-
level technicians with the expertise
needed to quickly diagnose and
solve problems.

Warranty Extensions

(1 to 5 years total duration)

This fixed-term, fixed-cost service
helps you accurately budget for
PC expenses, protect your valuable
investment, and potentially lower
the cost of ownership over time.

Warranty Upgrades—

Onsite and Next Business Day

Maximizes PC uptime and
productivity by providing
convenient, fast repair service the
next business day.

1 Select Versions Available Via Preload

2 Certification Available on Select Models

3 Certification Available on Select Models; EPEAT registered
where applicable. EPEAT registration varies by country. See
www.epeat.net for registration status by country

[^] For a full list of configuration details please visit:
<https://psref.lenovo.com>



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