

# 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

## Lenovo ThinkStation P8

AMD Ryzen Threadripper PRO 7000 WX-Series Processor

## Product Specifications<sup>^</sup>

### 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)<sup>^</sup> or

Up to 4 NVIDIA RTX A4000 (16GB VRAM)<sup>^</sup>

##### 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 4800MHz<sup>1</sup>

#### 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<sup>2,^</sup>

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<sup>^</sup>

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<sup>3,4</sup>

Integrated Wi-Fi Antennas<sup>4</sup>

#### Expansion Slots

(4) PCIe 5.0 x16

(2) PCIe 5.0 x8

(1) PCIe 4.0 x8

#### Expansion Options<sup>4</sup>

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)

<sup>1</sup> 1TB available depending on configuration

<sup>2</sup> Any combination of storage to equal maximum storage drives; additional hardware may be required

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

<sup>4</sup> Optional, additional hardware may be required

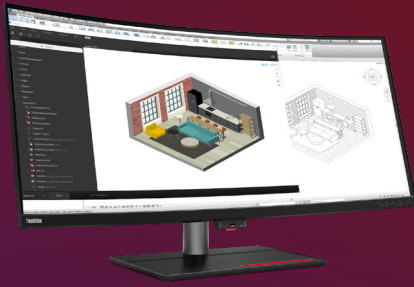
<sup>^</sup> For a full list of configuration details, specifications, and any limitations please visit: <https://psref.lenovo.com>

\* 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.

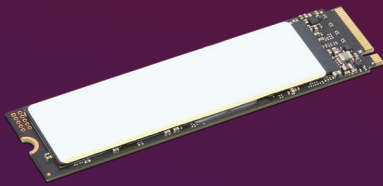
Smarter  
technology  
for all

Lenovo

## Lenovo Options & Accessories



ThinkVision P40w-20



ThinkPad 2TB Performance  
PCIe Gen4 NVMe OPAL2 M.2  
2280 SSD Gen3

PN: 4XB1N36076



NVIDIA RTX 5000 ADA 32GB  
DP\*4 GDDR6 Graphics Card

PN: 4X61N43590

For a full list of accessories  
and options, please visit:  
[accsmartfind.lenovo.com](https://accsmartfind.lenovo.com)

For more details on ThinkStation  
and ThinkPad, please visit:  
[lenovo.com/thinkworkstations](https://lenovo.com/thinkworkstations)

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## Lenovo ThinkStation P8

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### General Specifications<sup>^</sup>

#### Software

##### Operating System

###### Preloaded

Windows 11 Pro

Ubuntu<sup>®</sup> Linux<sup>®1</sup>

###### Supported

Red Hat<sup>®</sup> Enterprise Linux\* (certified)

##### Windows Preloads

Lenovo Commercial Vantage

##### ISV Certifications

Including AVID<sup>®</sup>, Altair<sup>®</sup>,  
Autodesk<sup>®</sup>, ANSYS<sup>®</sup>, Bentley<sup>®</sup>,  
Dassault<sup>®</sup>, Nemetschek<sup>®</sup>, PTC<sup>®</sup>,  
Siemens<sup>®</sup>

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<sup>®2</sup>

EPEAT<sup>®3</sup> 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](http://www.epeat.net) for registration status by country

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

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