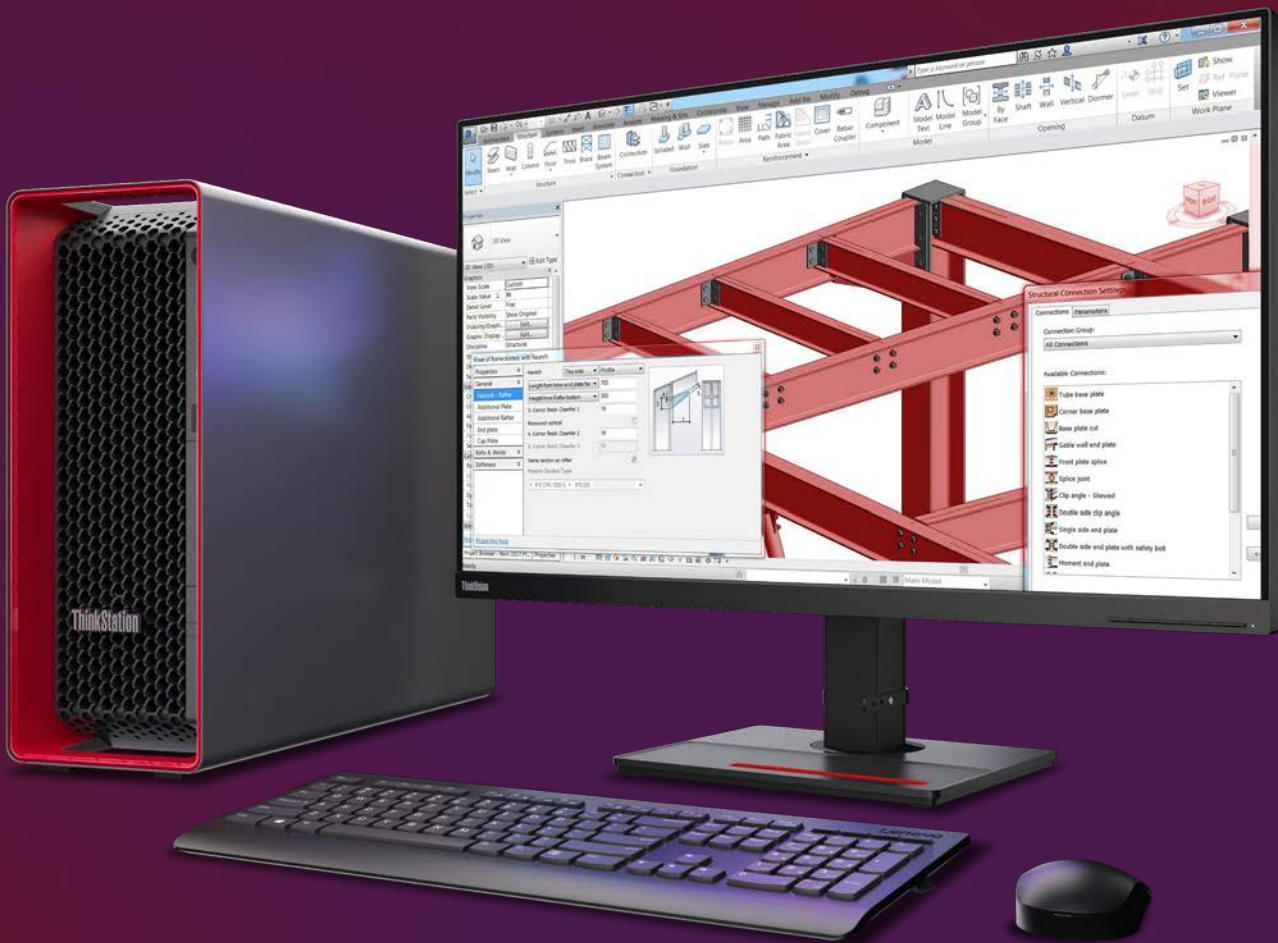


# Lenovo ThinkStation

## Lenovo ThinkStation P7 Staggering, Single-Socket Power

Lenovo



The bold Lenovo ThinkStation P7 is a force to be reckoned with and brings together a breakthrough new compute architecture with an advanced thermal design in a rack-optimized, Aston Martin-inspired chassis. Featuring the latest Intel® Xeon® W processors, up to three NVIDIA RTX™ 6000 Ada Generation GPUs, robust PCIe Gen 5 connectivity, and high-speed DDR5 memory, the P7 delivers staggering performance output from a single-socket platform.

#### Processor:

**56 Cores**  
**4.8GHz**

Intel Xeon W processor

#### Graphics:

**3 NVIDIA RTX**  
**6000 Ada**

Each with 48GB VRAM\*

#### ECC Memory:

**1TB**  
**DDR5**

8 DIMM Slots

#### Internal Storage:

**52TB**

Up to 7 Drives Total<sup>1</sup>

## 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 Intel Xeon W processors, with up to 56 cores in a single socket for compute-intensive, multithreaded workloads

# Lenovo ThinkStation P7 Product Specifications<sup>^</sup>

## Performance

### Processor

Intel® Xeon® W-3400 processor (up to 56 cores, up to 4.8GHz)

### Chipset

Intel W790

### Graphics

Up to 3 NVIDIA RTX 6000 Ada\* 48GB VRAM

### Total Memory

Up to 1TB DDR5, 4800MHz<sup>2</sup>

### Memory DIMM Capacity

16GB / 32GB / 64GB / 128GB ECC

8 DIMM Slots

### Storage Type Capacity

M.2 PCIe NVMe SSD up to 4TB

3.5" SATA HDD up to 12TB

### Total Storage<sup>3,^</sup>

Up to 7 total drives

Max M.2 = 4 (16TB)

Max 3.5" = 3 (36TB)

or

Up to 6 total drives

Max M.2 = 5 (20TB)

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

## Design

### Dimensions (WxDxH)

(mm): 175 x 508 x 435

(inches): 6.9 x 20 x 17.1

### Weight

Up to 23kg (49.6lbs)

## Connectivity

### Front Ports

(1) Audio Combo Jack

### Optional Front Ports

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

(2) USB-C® 3.2 Gen 2 (10Gbps)\*\*

### Rear Ports

(2) USB 2.0\*\*

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

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

(1) RJ-45 Gigabit Ethernet

(1) RJ-45 10 Gigabit Ethernet

(1) Line in

(1) Line out

### Optional Rear Ports

(1) Serial

### WLAN

Intel AX210 Wi-Fi 6E 2x2 + Bluetooth™ 5.2, Intel vPro<sup>4,5</sup>

Internal Wi-Fi Antennas<sup>5</sup>

### Expansion Slots

(3) PCIe 5.0 x16

(1) PCIe 4.0 x16

(1) PCIe 4.0 x8

(1) PCIe 5.0 x4

(1) PCIe 4.0 x4

### Expansion Options<sup>5</sup>

PS/2

USB-C

LAN

1 Depending on drive configuration  
2 4800MHz max speed; available depending on configuration  
3 Any combination of storage to equal maximum storage drives; additional hardware may be required  
4 Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation  
5 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>

\* NVIDIA RTX Ada Graphics Available Summer 2023

\*\* 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



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



NVIDIA RTX™ A4500 Graphics Card

- 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

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## Lenovo ThinkStation P7 General Specifications<sup>^</sup>

### Software

#### Operating System

##### Preloaded:

Windows 11 Pro for Workstation

Windows 10 Pro for Workstation (pre-installed through downgrade rights in Windows 11 Pro)

Ubuntu® Linux<sup>®1</sup>

##### Supported:

Windows 10 Enterprise Edition

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

### 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.

Lenovo



Contact your Connection Account Manager today for more information.

Business Solutions	Enterprise Solutions	Public Sector Solutions
1.800.800.0014	1.800.369.1047	1.800.800.0019
<a href="http://www.connection.com/lenovomfg">www.connection.com/lenovomfg</a>		

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