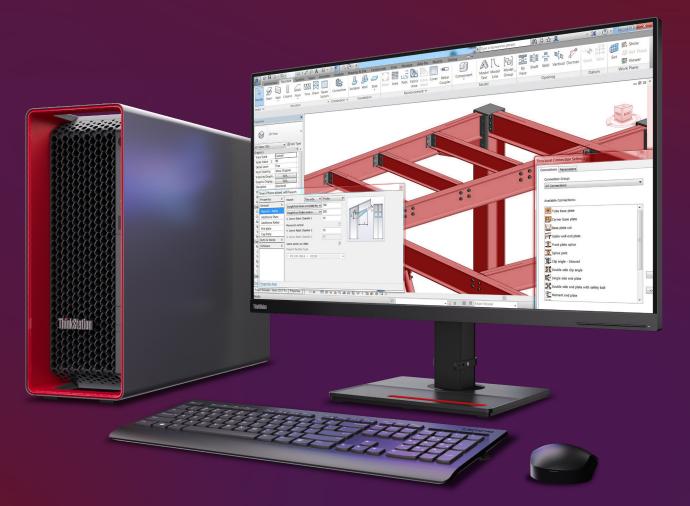
# Lenovo ThinkStation

# Lenovo ThinkStation P7 Staggering, Single-Socket Power



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 Martininspired chassis. Featuring the latest Intel® Xeon® W processors, up to three NVIDIA RTX<sup>™</sup> 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.







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 nondisruptive 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

## Performance

#### Processor

Intel<sup>®</sup> Xeon<sup>®</sup> 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<sup>®</sup> 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) PCle 5.0 x16
(1) PCle 4.0 x16
(1) PCle 4.0 x8
(1) PCle 5.0 x4
(1) PCle 4.0 x4

Expansion Options<sup>5</sup> PS/2

USB-C LAN

# Smarter technology for all

Lenovo

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
- 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.

# Lenovo Options & Accessories



#### ThinkVision P40w-20



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



NVIDIA RTX™ A4500 Graphics Card

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

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

Visit us on social media: **#lenovoworkstations** 



March 2023 ©Lenovo. All rights reserved. Lenovo is not responsible for photographic or typographic errors. Lenovo makes no representation or warranty regarding third-party products or services. LENOVO, ThinkStation, and ThinkPad are trademarks of Lenovo.

# **Lenovo ThinkStation P7** General Specifications

## Software

## Operating System *Preloaded:*

Windows 11 Pro for Workstation Windows 10 Pro for Workstation (preinstalled through downgrade rights in Windows 11 Pro) Ubuntu<sup>®</sup> 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 advancedlevel 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

intel.

xec

NVIDIA and NVIDIA RTX are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Intel and Xeon are trademarks of Intel Corporation or its subsidiaries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. Ubuntu is a registered trademark of Canonical Ltd. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other company, product, and service names may be trademarks or service marks of others.