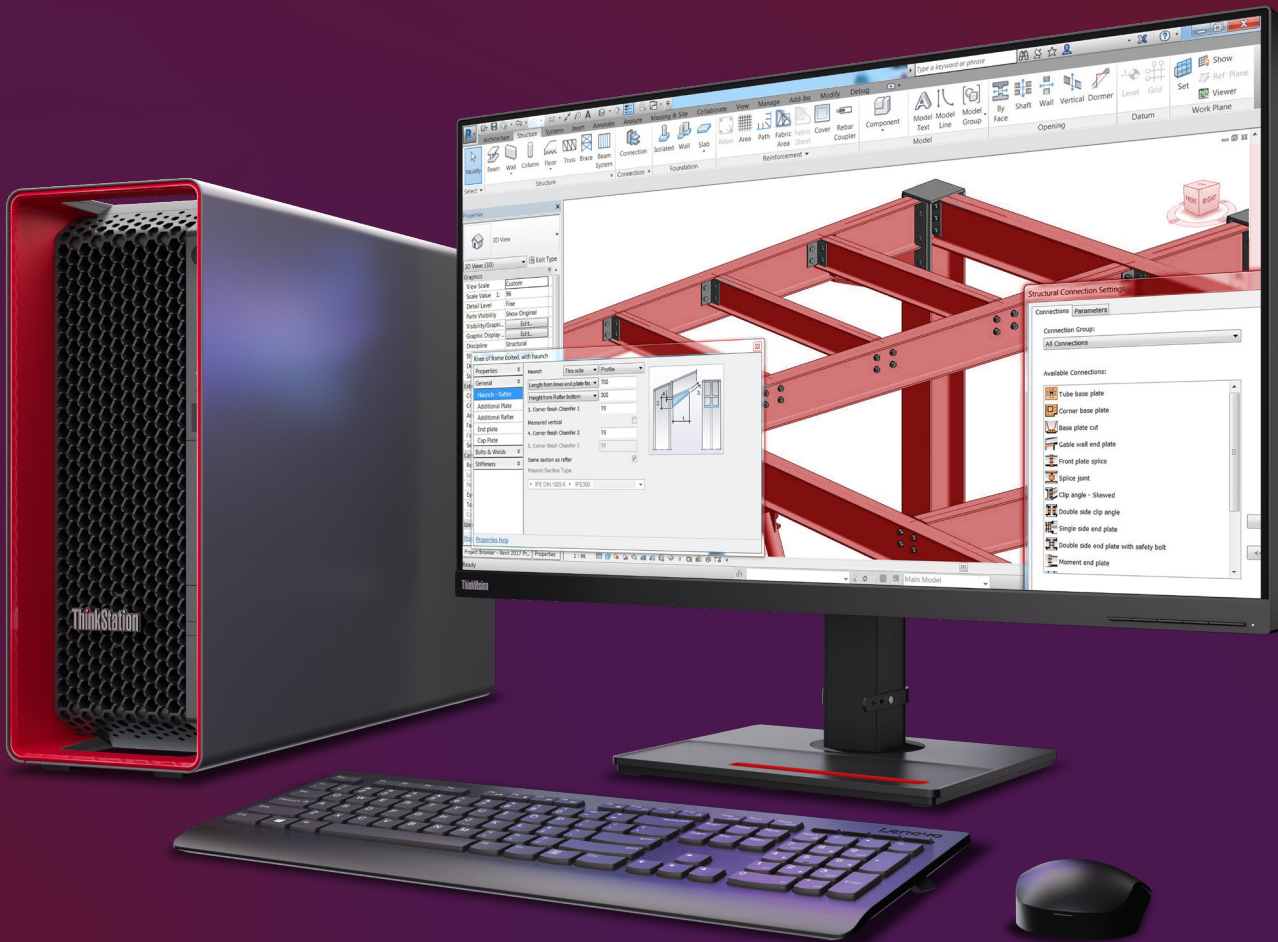


Lenovo
ThinkStation

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-3500 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:

60 Cores
4.8GHz

Intel Xeon W-3500 processors

Graphics:

3 NVIDIA RTX
6000 GPUs

Each with 48GB VRAM

ECC Memory:

1TB
DDR5

8 DIMM Slots

Internal Storage:

52TB

Up to 7 Drives Total¹

Features



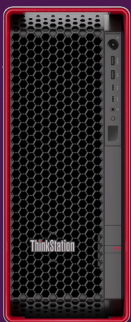
Aston Martin Inspired Chassis
Tool-less and customizable with hot-swap, front access drives



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-3500 processors, with up to 60 cores in a single socket for compute-intensive, multithreaded workloads

Lenovo ThinkStation P7 Product Specifications[^]

Performance

Processor

Intel® Xeon® W-3500 processor (up to 60 cores, up to 4.8GHz)

Chipset

Intel W790

Graphics

Up to 3 NVIDIA RTX 6000 Ada Generation, 48GB VRAM

Total Memory

Up to 1TB DDR5, 4800MHz²

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^{3,^}

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[^]

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^{4,5}

Internal Wi-Fi Antennas⁵

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 Options⁵

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

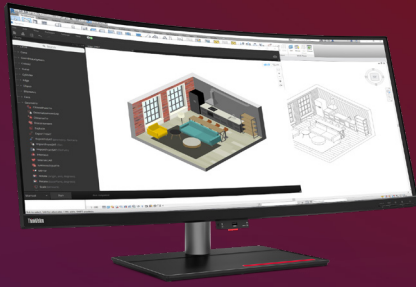
5 Optional, additional hardware may be required

[^] 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



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



NVIDIA RTX™ 4500 Ada Generation GPU

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

Visit us on social media: [#lenovoworkstations](https://twitter.com/lenovoworkstations)



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Lenovo ThinkStation P7 General Specifications[^]

Software

Operating System

Preloaded:

Windows 11 Pro for Workstation

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

Ubuntu® Linux⁰¹

Supported:

Windows 10 Enterprise Edition

Red Hat® Enterprise Linux²

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 STAR⁰³

EPEAT⁰⁴ Gold

RoHS Compliant

TCO 9.0

80 Plus Platinum power supply

Recommended Services

Lenovo's Premier Support Plus

delivers advanced anywhere, anytime seamless support with AI-powered, proactive and preventative services. Also includes Accidental Damage Protection, extended battery warranty (for eligible devices) and Keep Your Drive. You'll minimize downtime, boost productivity, enhance the experience, and free up in-house IT resources from break/fix maintenance.

Warranty Extensions & Upgrades

Lenovo offers a range of warranty upgrades to suit your business needs, such as next business day upgrades. Warranty extensions allow you to control your device budget, protect your investment and potentially lower the cost of ownership over time.

Lenovo's Asset Recovery Services

(ARS) enables secure destruction of data, helps reduce e-waste, and offers a fair market value for your end-of-life IT assets. The service also supports equipment from any manufacturer including PCs & tablets, monitors, servers, phones, printers, copiers and networking equipment.

Lenovo CO₂ Offset Service makes offsetting carbon emissions simple and within the control of the customer. We offset the carbon emissions across the average lifecycle associated with each of our devices by providing the option at point of purchase. These offsets help support climate action projects verified by United Nations, Gold Standard®, and Climate Action Reserve.

1 Select Versions Available Via Preload

2 Red Hat Enterprise Linux select versions certified

3 Certification Available on Select Models

4 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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