

Lenovo ThinkStation

Lenovo ThinkStation P5

The Future-proof Industry Workhorse

Available as of June 2023

Lenovo



Engineered for ultimate versatility, the Lenovo ThinkStation P5 is the all-around industry workhorse for professionals that demand scalable, future-proof solutions. Featuring an all-new Aston Martin inspired chassis design, the latest Intel® Xeon® W processors, and support for up to two NVIDIA RTX™ A6000 graphics cards, you can rely on the P5 to pack enough punch for any workflow, even in mission-critical environments.

Processor:

24 Cores
4.8GHz

Intel Xeon W processor

Graphics:

2 NVIDIA RTX
A6000

Each with 48GB VRAM

ECC Memory:

512GB
DDR5

8 DIMM Slots

Internal Storage:

48TB

Up to 6 Drives Total

Features



Breakthrough Compute Architecture

The latest Intel Xeon W processors provide the ultimate workstation platform for professional compute demands



Easy Configurability

Front drive access, hot-swap disks, and tool-less serviceability



Future-proof Solutions

High speed DDR5 memory and ultra-fast PCIe Gen 5 bandwidth



Mission Critical Certified

Certified by leading industry software application vendors for seamless application use

Lenovo ThinkStation P5 Product Specifications[^]



Performance

Processor

Intel® Xeon® W-2400 processor (up to 24 cores, up to 4.8 GHz)

Chipset

Intel W790

Graphics

Up to 2 NVIDIA RTX™ A6000 48GB VRAM

Total Memory

Up to 512GB DDR5, Up to 4800MHz¹

Memory DIMM Capacity

16GB / 32GB / 64GB ECC

8 DIMM Slots

Storage Type Capacity²

M.2 PCIe NVMe SSD up to 4TB

3.5" SATA HDD up to 12TB

Total Storage

Up to 6 total drives

Max M.2 = 3 (12TB)

Max 3.5" = 3 (36TB)

RAID

M.2 = 0/1/10/5

SATA = 0/1/5

Power Supply

750W, 1000W (92% efficient)

Design

Dimensions (WxDxH)

(mm): 165 x 453 x 440

(inches): 6.5 x 17.8 x 17.3

Weight

Up to 21kg (46.3lbs)

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-C 3.2 Gen 2 (10Gbps)*

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

(1) RJ-45 Gigabit Ethernet

(1) Line in

(1) Line out

Optional Rear Ports

(1) Serial

WLAN

Intel AX211 Wi-Fi 6E 2x2 + Bluetooth™ 5.2, Intel vPro³

Internal Wi-Fi Antenna

Expansion Slots

(2) PCIe 5.0 x16

(1) PCIe 4.0 x8

(3) PCIe 4.0 x4

Expansion Options⁴

PS/2

USB-C

LAN

Smarter
technology
for all

Lenovo

¹ 4800GHz max speed; 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 P34w



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



NVIDIA RTX™ A2000 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

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



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Lenovo ThinkStation P5 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® Linux^{¶1}

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

Padlock Loop

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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