ThinkStation

Lenovo ThinkStation PX

The Pinnacle of Lenovo Technology



The pinnacle of Lenovo technology, the ThinkStation PX goes beyond the limits of desktop performance to enable even the most extreme workflows. Featuring a thermally advanced, rack-optimized chassis co-designed with Aston Martin, the latest dual 4th Gen Intel® Xeon® Scalable processors, up to 120 cores, and support for up to four NVIDIA RTX™ 6000 Ada Generation GPUs, this workstation powerhouse runs the most complex computing workloads seamlessly—whether desk-side or in a data center.

Processor:

Dual CPUs 120 Cores

4th Gen Intel Xeon Scalable processors

Graphics:

4 NVIDIA RTX 6000 Ada

Each with 48GB VRAM

2TB DDR5 **Internal Storage:**

60TB

Up to 9 Total Drives1

Chassis Co-Designed with Aston Martin Form and function in an iconic chassis with an advanced thermal architecture



Dual Redundant Power SuppliesOffering system stability when running mission-critical applications



Front Access Drives
Tool-less serviceability with
innovative modular design



Rack Optimized For ultimate desktop to data center flexibility

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Product Specifications[^]

Performance

Processor

Dual 4th Gen Intel® Xeon® Scalable processors (up to 120 cores, 60 cores per CPU, up to 4.1GHz)

Chipset

Intel C741

Graphics

Up to 4 NVIDIA RTX™ 6000 Ada* 48GB VRAM

Total Memory

Up to 2TB DDR5 4800MHz²

Memory DIMM Capacity

16GB / 32GB / 64GB / 128GB ECC 16 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 9 total drives Max M.2 = 7 (28TB) Max 3.5" = 2 (24TB)

Up to 7 total drives

Max M.2 = 3 (12TB)

Max 3.5'' = 4 (48TB)

RAID

M.2 = 0/1/10/5SATA = 0/1/10/5

Power Supply

1850W (92% efficient)

Optional redundant power supplies⁴

Rear power button

Design

Dimensions (WxDxH)

(mm): 220 x 575 x 435 (inches): 8.7 x 22.6 x 17.1

Weiaht

Up to 38kg (83.8lbs)

Connectivity

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**
- (4) USB-A 3.2 Gen 1 (5Gbps)**
- (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 AC Wi-Fi 6E 2x2 + Bluetooth™ 5.2, Intel vPro^{5,6}

Internal Wi-Fi Antennas⁶

Expansion Slots

Dual Processor Systems:

- (4) PCle 5.0 x16
- (4) PCIe 4.0 x16
- (1) PCIe 4.0 x8

Single Processor Systems:

- (2) PCle 5.0 x16
- (2) PCle 4.0 x16

Expansion Options⁶

PS/2 USB-C LAN

> Smarter technology for all

- 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 Configuration dependent; up to 2350W with dual PSU
- 5 Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
- 6 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 Creator Extreme 27" 4K UHD Monitor



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



Graphics Card

1 Select Versions Available Via Preload

where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country

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General Specifications²

Software

Operating System

Preloaded:

Windows 11 Pro for Workstation

Windows 10 Pro for Workstation (preinstalled 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 Certifications²

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®2

FPFAT®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 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**

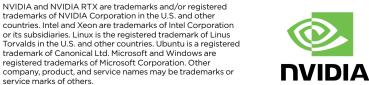
Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.



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² Certification Available on Select Models

³ Certification Available on Select Models; EPEAT registered