

# Lenovo ThinkStation

## Lenovo ThinkStation PX The Pinnacle of Lenovo Technology

Lenovo



Discover Lenovo's most powerful AI-Ready workstation, ThinkStation PX. Co-designed with Aston Martin, masters of aerodynamics, the PX is the epitome of form and function—combining a premium chassis with a fine-tuned thermal design that pushes out maximum performance from its ultra-high-end components. Featuring the latest 5<sup>th</sup> Gen Intel® Xeon® Scalable processors, up to 128 cores, and support for up to four NVIDIA RTX™ 6000 Ada Generation GPUs, this workstation goes beyond the limits of desktop performance to power even the most extreme workloads. The ThinkStation PX was designed to support AI workloads and meticulously engineered from the ground up to tackle next generation AI, HPC and engineering simulation workflows with the unique power and performance of the NVIDIA A800 40GB Active.

#### Processor:

**Dual CPUs**  
**128 Cores**

5<sup>th</sup> Gen Intel® Xeon® Scalable processors

#### Graphics:

**3 NVIDIA A800**  
**40GB Active**

Or up to 4 NVIDIA RTX 6000 Ada Generation GPUs

#### ECC Memory:

**2TB**  
**DDR5**

16 DIMM Slots

#### Internal Storage:

**60TB**

Up to 9 Total Drives<sup>1</sup>

## Features



### Chassis Co-Designed with Aston Martin

Form and function in an iconic chassis with an advanced thermal architecture



### Dual Redundant Power Supplies

Offering 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

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

## Performance

### Processor

Dual 5<sup>th</sup> Gen Intel® Xeon® Scalable processors (up to 128 cores, 64 cores per CPU, up to 4.1GHz)

### Chipset

Intel C741

### Graphics

Up to 3 NVIDIA A800 40GB Active

Up to 4 NVIDIA RTX™ 6000 Ada Generation GPUs, 48GB VRAM

### Total Memory

Up to 2TB DDR5, up to 5600MHz<sup>2</sup>

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

Up to 9 total drives

Max M.2 = 7 (28TB)

Max 3.5" = 2 (24TB)

or

Up to 7 total drives

Max M.2 = 3 (12TB)

Max 3.5" = 4 (48TB)

### RAID

M.2 = 0/1/10/5

SATA = 0/1/10/5

### Power Supply<sup>^</sup>

1850W (92% efficient)

Optional redundant power supplies<sup>4</sup>

Rear power button

## 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<sup>5,6</sup>

Internal Wi-Fi Antennas<sup>6</sup>

### Expansion Slots

#### Dual Processor Systems:

(4) PCIe 5.0 x16

(4) PCIe 4.0 x16

(1) PCIe 4.0 x8

#### Single Processor Systems:

(2) PCIe 5.0 x16

(2) PCIe 4.0 x16

### Expansion Options<sup>6</sup>

PS/2

USB-C

LAN

## Design

### Dimensions (WxDxH)

(mm): 220 x 575 x 435

(inches): 8.7 x 22.6 x 17.1

### Weight

Up to 38kg (83.8lbs)

1 Depending on drive configuration

2 5600MHz 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

<sup>^</sup> 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.



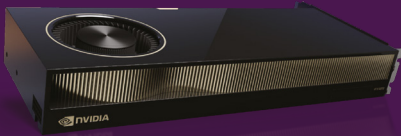
## Lenovo Options & Accessories



ThinkVision Creator Extreme  
27" 4K UHD Monitor



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



NVIDIA RTX™ 6000 Ada  
Generation GPU

For a full list of accessories and options, please visit:  
[accsmartfind.lenovo.com](https://accsmartfind.lenovo.com)

For more details on ThinkStation and ThinkPad, please visit:  
[lenovo.com/thinkworkstations](https://lenovo.com/thinkworkstations)

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## Lenovo ThinkStation PX 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<sup>2</sup>

#### Windows Preloads

Lenovo Commercial Vantage

#### ISV Certifications<sup>2</sup>

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>3</sup>

EPEAT<sup>4</sup> Gold

RoHS Compliant

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 CO<sub>2</sub> 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](http://www.epeat.net) for registration status by country

<sup>^</sup> For a full list of configuration details please visit:  
<https://psref.lenovo.com>



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