

Lenovo  
**ThinkStation**

**Lenovo ThinkStation P3 Ultra**  
The Evolution of Small

**Lenovo**



The Lenovo ThinkStation P3 Ultra features a revolutionary form factor that is redefining the power of small. Supporting Intel® Core™ i9 processors and 24 cores, support for up to NVIDIA RTX™ 4000 SFF Ada graphics, super-fast memory, and cutting-edge storage, this workstation breaks new ground by delivering superior performance and flexibility in a chassis less than four liters in total volume.

**Processor:**

**6.0GHz**  
**24 Cores**

Intel vPro® Platform featuring Intel® Core™ processors

**Graphics:**

**NVIDIA RTX™**  
**4000 SFF Ada**

20GB GDDR6 Memory

**Memory:**

**128GB**  
**DDR5**

Up to 5600MHz  
ECC or non-ECC<sup>2</sup>

**Storage:**

**8TB M.2**  
**PCIe® Gen4**

Up to two 4TB NVMe  
Performance SSDs

## Features



**Redefining the Power of Small**  
Full performance in a 3.9L compact form factor



**3 DisplayPort™ standard**  
Offering support for up to 8 displays



**Legendary Reliability**  
Tested to over 200 quality checks



**ISV Certifications**  
Certified by leading industry software application vendors for seamless application use

# Lenovo ThinkStation P3 Ultra Product Specifications<sup>^</sup>

## Performance

### Processor

Intel vPro® Platform featuring Intel® Core™ i3, i5, i7, i9 processors (14<sup>th</sup> Gen) (up to 24 cores, up to 6.0GHz)<sup>^</sup>

Intel vPro® Platform featuring Intel® Core™ i3, i5, i7, i9 processors (13<sup>th</sup> Gen) (up to 24 cores, up to 5.8GHz)<sup>^</sup>

Intel vPro® Platform featuring Intel® Core™ i5, i7, i9 processors (12<sup>th</sup> Gen) (up to 16 cores, up to 5.1GHz)<sup>^</sup>

### Chipset

Intel® W680

### Graphics

Discrete:

Up to NVIDIA RTX™ 4000 SFF Ada 20GB GDDR6 Memory

Processor Integrated:

Intel® UHD Graphics 770<sup>1</sup>

New line: Intel® UHD Graphics 730<sup>1</sup>

### Total Memory

Up to 128GB DDR5, 5600MHz<sup>2</sup>

### Memory DIMM Capacity

16GB / 32GB ECC

8GB / 16GB / 32GB non-ECC

4 SoDIMM Slots

### Storage Type Capacity<sup>3</sup>

M.2 PCIe® NVMe SSD up to 4TB

2.5" SATA HDD up to 1TB<sup>^</sup>

### Total Storage

Up to 3 total drives

Max M.2 = 2 (8TB)

Max 2.5" = 1 (1TB)

### RAID

M.2 = 0/1

### Power Supply

170W Slim, 230W, 300W 90% efficient

## Connectivity

### Front Ports

(1) USB-A (USB 10Gbps)<sup>\*</sup>

(2) Thunderbolt™ 4 Type-C (40Gbps)<sup>\*</sup>

(1) Audio Combo Jack

### Rear Ports

(4) USB-A (USB 10Gbps)<sup>\*</sup>

(3) DisplayPort™

(1) 2.5Gb Ethernet

(1) 1Gb Ethernet

### WLAN

Intel® WiFi® 6E AX211 2\*2ax + Bluetooth® 5.3 vPro<sup>4,5</sup>

### Expansion Slots

(1) PCIe® 4.0 x16

(1) PCIe® 3.0 x8 (x4 lanes)

### Expansion Options

Serial/DP/HDMI®/TypeC+DP/  
USB/LAN/VGA<sup>6</sup>

## Design

### Dimensions (WxDxH)

(mm): 87 x 223 x 202

(inches): 3.4 x 8.7 x 7.9

### Weight

Starting at: 3.96lbs (1.8kg)

**Smarter  
technology  
for all**

**Lenovo**

1 Processor Integrated graphics dependent upon processor selected

2 Memory spec frequency listed; system support frequency may vary by configuration

3 Any combination of storage to equal maximum storage drives

4 Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitation.

5 6GHz WiFi® 6E operation is dependent on the support of the operating system, routers/APs/gateways that support WiFi® 6E, along with the regional regulatory certifications and spectrum allocation.

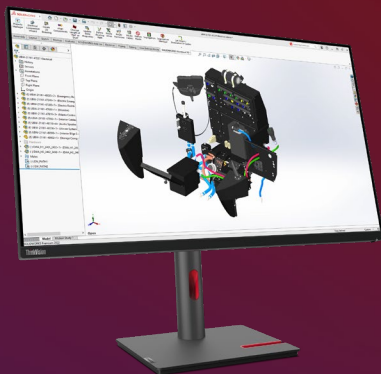
6 Optional, additional hardware may be required

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

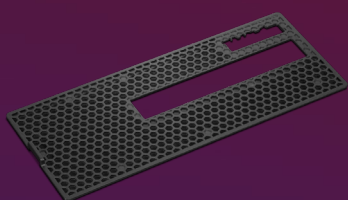
\* USB port transfer speeds are approximate and depend on many factors, such as processing capability of host/peripheral devices, file attributes, system configuration and operating environments; actual speeds will vary and may be less than expected.



## Lenovo Options & Accessories



ThinkVision P32p-30



ThinkStation P3 Ultra Dust Filter



NVIDIA RTX™ A2000 Graphics Card



Scan for system overview, supported components, and technical specifications.

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/workstations](https://lenovo.com/workstations)

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



February 2024 ©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 P3 Ultra General Specifications<sup>^</sup>

### Software

#### Operating System

Windows 11 Pro  
Windows 11 Home  
Ubuntu® Linux<sup>®1</sup>  
Red Hat® Enterprise Linux<sup>®2</sup>

#### Windows Preloads

Lenovo Commercial Vantage

#### ISV Certifications<sup>3</sup>

Including Altair®, ANSYS®, AutoCAD®, AVID®, Barco®, Bentley®, Dassault®, Nemetschek®, PTC®, Siemens®

For a complete list of ISV certifications visit <https://thinkworkstations.com/>

### Security

#### ThinkShield

TPM 2.0  
Self-healing BIOS  
Power On Password  
UEFI Secure Boot  
Kensington Lock Slot

### Sustainability

#### System

85% PCC recycled plastic in Front, Rear Bezel

35% PCC recycled plastic inside chassis

#### Packaging

Carton: 90% Recycled and/or FSC certified content<sup>4</sup>

Cushion: 90% Recycled EPE

#### Certifications

ENERGY STAR<sup>®5</sup>

EPEAT<sup>®6</sup> Gold

RoHS Compliant

TCO 9.0

## 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)

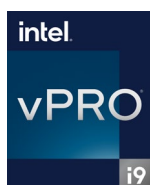
This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and potentially lower the cost of ownership over time.

#### Warranty Upgrades—Onsite and Next Business Day

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

- 1 Select Ubuntu® versions available via preload
- 2 Red Hat® Enterprise Linux® select versions certified
- 3 Available on select models
- 4 Packaging composed of recycled, and/or biobased, and/or sustainably forested content.

- 5 Certification available on select models
  - 6 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>



NVIDIA® is a trademark and/or registered trademark of NVIDIA® Corporation in the U.S. and other countries. Intel, Intel vPro®, Core™ and Iris 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.



Lenovo