

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. With the latest Intel vPro® with 13th Gen Intel® Core™ processors, up to NVIDIA RTX™ A5500 mobile 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:

5.8GHz
24 Cores

Intel vPro with 13th Gen Intel® Core i3, i5, i7, i9
Up to 8 P-cores, 16 E-cores

Graphics:

NVIDIA RTX
A5500 mobile

Or choose Intel Arc Pro A40¹

Memory:

128GB
DDR5

Up to 5600MHz
ECC or non-ECC²

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[^]

Performance

Processor

Intel vPro® with 13th Gen Intel® Core™ i3, i5, i7, i9 (up to 24 cores, up to 5.8GHz)[^]

Chipset

Intel W680

Graphics

Discrete:

Up to NVIDIA RTX A5500 mobile
16GB GDDR6

Up to NVIDIA RTX A2000 12GB
GDDR6

Intel Arc Pro A40 6GB GDDR6¹

Processor Integrated:

Intel UHD Graphics 770

Total Memory

Up to 128GB DDR5, 5600MHz²

Memory DIMM Capacity

16GB / 32GB ECC

8GB / 16GB / 32GB non-ECC

4 SoDIMM Slots

Storage Type Capacity³

M.2 PCIe NVMe SSD up to 4TB

2.5" SATA HDD up to 1TB[^]

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

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)

Connectivity

Front Ports

(1) USB-A 3.2 Gen 2 (10Gbps)^{*}

(2) Thunderbolt™ 4 Type-C (40Gbps)^{*}

(1) Audio Combo Jack

Rear Ports

(4) USB-A 3.2 Gen 2 (10Gbps)^{*}

(3) DisplayPort™

(1) 2.5Gb Ethernet

(1) 1Gb Ethernet

WLAN

Intel WiFi 6E AX211 2*2ax +
Bluetooth 5.3 vPro^{4, 5}

Expansion Slots

(1) PCIe 4.0 x 16

(1) PCIe 3.0 x 8 (x 4 lanes)

Expansion Options

Serial/DP/HDMI/TypeC+DP/
USB/LAN/VGA⁶

1 Available fall 2023

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

3 Any combination of storage to equal maximum storage drives

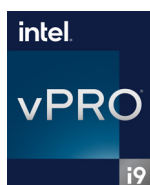
4 Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitation.

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

[^] 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.



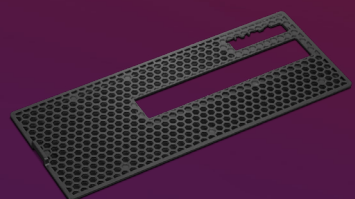
**Smarter
technology
for all**

Lenovo

Lenovo Options & Accessories



ThinkVision P32p-20



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

For more details on ThinkStation and ThinkPad, please visit:
lenovo.com/workstations

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



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Lenovo ThinkStation P3 Ultra General Specifications[^]

Software

Operating System

Windows 11 Pro
Windows 11 Home
Windows 10 Pro (preinstalled through downgrade rights in Windows 11 Pro)
Ubuntu® Linux¹
Red Hat® Enterprise Linux® (certified)

Windows Preloads

Lenovo Commercial Vantage

ISV Certifications²

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

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 content³

Cushion: 90% Recycled EPE

Certifications

ENERGY STAR⁴
EPEAT⁵ 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 versions available via preload

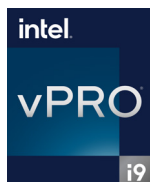
2 Available on select models

3 Packaging composed of recycled, and/or biobased, and/or sustainably forested content.

4 Certification available on select models

5 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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