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 A40[1]

Memory:
128GB DDR5
Up to 5600MHz ECC or non-ECC[2]

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 GDDR6[1]

Processor Integrated:

Intel UHD Graphics 770

Total Memory
Up to 128GB DDR5, 5600MHz[2]

Memory DIMM Capacity
16GB / 32GB ECC

8GB / 16GB / 32GB non-ECC

4 SoDIMM Slots

Storage Type Capacity[3]
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/VGA[6]

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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.
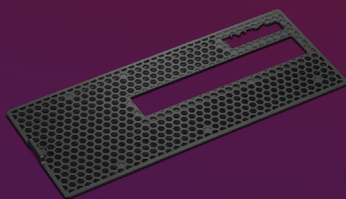
Smarter technology for all

Lenovo

intel vPRO i9

NVIDIA.

Lenovo Options & Accessories

ThinkVision P32p-20

ThinkStation P3 Ultra Dust Filter
PN: 4XH1K97298

NVIDIA RTX™ A2000 Graphics Card [6]
PN: 4X61J52232

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

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® Linux® [1]

Red Hat® Enterprise Linux® (certified)

Windows Preloads
Lenovo Commercial Vantage

ISV Certifications [2]
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 content [3]

Cushion: 90% Recycled EPE

Certifications
ENERGY STAR®[4]

EPEAT®[5] 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
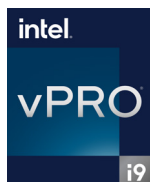
2 Available on select models

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

6 Cable kit 4XF1M24241 needed to install A2000 GPU

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