Lenovo ThinkStation

Lenovo ThinkStation P3 Ultra SFF
The Evolution of Small

Lenovo

The Lenovo ThinkStation P3 Ultra SFF 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[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 SFF
Product Specifications^

Performance

Processor

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

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

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

Chipset

Intel® W680

Graphics

Discrete:

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

Processor Integrated:

Intel® UHD Graphics 770[1]

New line: Intel® UHD Graphics 730[1]

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

Connectivity

Front Ports

(1) USB-A (USB 10Gbps)*

(2) Thunderbolt™ 4 Type-C (40Gbps)*

(1) Audio Combo Jack

Rear Ports

(4) USB-A (USB 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 x16

(1) PCIe® 3.0 x8 (x4 lanes)

Expansion Options

Serial/DP/HDMI®/TypeC+DP/USB/LAN/VGA[6]

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

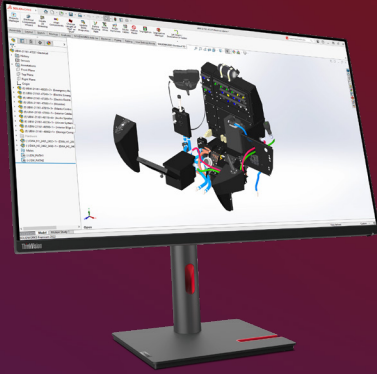^ For a full list of configuration details, specifications, and any limitations please visit: **https://psref.lenovo.com**

* 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.
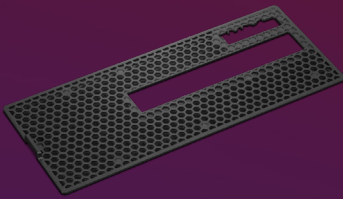
intel vPRO i9

NVIDIA®

Lenovo Options & Accessories

ThinkVision P32p-30

ThinkStation P3 Ultra SFF 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**

Lenovo ThinkStation P3 Ultra SFF
General Specifications^

Software

Operating System
Windows 11 Pro

Windows 11 Home

Ubuntu® Linux®[1]

Red Hat® Enterprise Linux®[2]

Windows Preloads
Lenovo Commercial Vantage

ISV Certifications[3]
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[4]

Cushion: 90% Recycled EPE

Certifications
ENERGY STAR®[5]

EPEAT®[6] 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 for registration status by country
^ For a full list of configuration details please visit: **https://psref.lenovo.com**