Lenovo ThinkStation

Lenovo ThinkStation P2 Tower Gen 2
Uncompromising Performance, Unbeatable Value

Lenovo

intel CORE ULTRA 9

intel vPRO

That's the power of Intel Inside®

Workstation performance is now within your reach with the Lenovo ThinkStation P2. Featuring the latest Intel® Core™ Ultra processors (Series 2) with an integrated Neural Processing Unit (NPU), up to NVIDIA RTX™ 2000 Ada Generation professional graphics, PCIe® Gen 5 support, and ultra-fast DDR5 memory, the ThinkStation P2 sets a new standard in the entry space while offering outstanding value.

Processor:
5.7GHz 24 Cores
Up to Intel Core Ultra 9 processor (Series 2) with Intel vPro®

Graphics:
2 NVIDIA RTX 2000 Ada
16GB GDDR6 Memory

Memory:
128GB DDR5
Up to 5600MT/s ECC or non-ECC[1]

AI:
420 TOPS
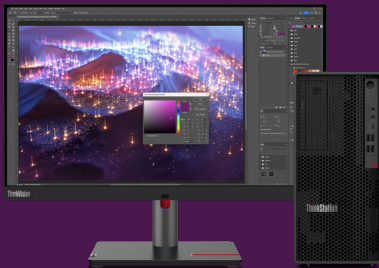CPU package: 36 TOPS
GPU (2): 384 TOPS
Total: 420 TOPS

Features

Power Meets Affordability
Featuring up to 125W CPUs and best-in-class GPUs

Versatile Storage Solutions
Up to 24TB of internal storage—customize with M.2 SSDs or 3.5″ SATA HDDs to unlock maximum storage potential

AI-Ready
Accelerate workloads with integrated NPU and up to 420 TOPS

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

Lenovo ThinkStation P2 Tower Gen 2
Product Specifications^

Performance

Processor
Up to Intel Core Ultra 9 processor (Series 2) with Intel vPro
(up to 24 cores, up to 5.7GHz)^

Chipset
Intel W880

Graphics
Discrete:
Up to 2 NVIDIA RTX 2000 Ada 16GB GDDR6 Memory

Processor Integrated:
Intel Graphics

AI
CPU: up to 15 TOPS
NPU: 13 TOPS
iGPU: 8 TOPS
GPU (2): up to 384 TOPS
Total: up to 420 TOPS

Total Memory
Up to 128GB DDR5, 5600MT/s[1]

Memory DIMM Capacity
16GB / 32GB ECC UDIMM
8GB / 16GB / 32GB / 48GB non-ECC UDIMM
64GB non-ECC CUDIMM
4 DIMM slots

Storage Type Capacity[2]
M.2 PCIe NVMe SSD up to 4TB
3.5″ SATA HDD up to 4TB

Total Storage
Up to 6 total drives
Max M.2 = 4 (16TB)[3]
Max 3.5″ = 2 (8TB)

RAID
M.2 = 0/1/5
SATA - 0/1

Power Supply
500W, 750W 92% Efficient

Connectivity

Front Ports
(2) USB-A (5Gbps)*
(2) USB-A (10Gbps)*
(1) USB-C® (20Gbps)*
(1) Audio Combo Jack
(1) Mic

Rear Ports
(1) HDMI® 2.1 TMDS
(2) DisplayPort™ 1.4
(2) USB-A (5Gbps)*
(one supports Smart Power on)
(2) USB 2.0
(1) RJ-45 Gigabit Ethernet
(1) Audio (line out)

Optional Rear Ports[4]
(2) USB-A (5Gbps)*
(1) USB-C (20Gbps)*
(1) 1x Serial
(1) Parallel Port
(1) DisplayPort™ 1.2
(1) Flexible IO Port (DisplayPort / HDMI / Type-C / VGA)

Removable Storage[4]
(1) 3-in-1 Media Card Reader
(1) Slim ODD
(1) Front Accessible Drive Bay

Optional WLAN
Intel Wi-Fi® 7 BE200 2x2be + Bluetooth® 5.4 Intel vPro[5]

Expansion Slots
(1) PCIe® 5.0 x16
(1) PCIe® 4.0 x4
(2) PCIe® 3.0 x1

Design

Dimensions (WxDxH)
(mm): 170 x 315.4 x 376
(inches): 6.70 x 12.40 x 14.80

Weight
Starting at: 12.87lbs (5.84kg)

1 Memory spec transfer rate listed; system support transfer rate may vary by configuration.

2 Any combination of storage to equal maximum storage drives.

3 Optional M.2 Add In Card (up to 1x4TB) adds additional storage.

4 Optional, additional hardware may be required; Flex I/O card may be needed; most require PCIe® adapters and a PCIe® slot.

5 Bluetooth® 5.4 is hardware ready but may run at a lower version due to OS limitation.

^ 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.
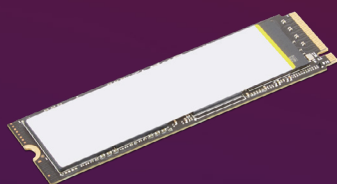
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Lenovo Options & Accessories

ThinkVision P27QD-40 Display

4TB M.2 SSD

NVIDIA RTX 2000 Ada 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 P2 Tower Gen 2
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 AutoCAD®, AVID®, Altair®, ANSYS®, Bentley®, Dassault®, SOLIDWORKS®, Nemetschek®, and Siemens®

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

Security

Intel vPro security

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

Sustainability

System
85% PCC recycled plastic front bezel

Packaging
Carton: 90% Recycled and/or FSC certified content[4]
Cushion: 90% Recycled EPE

Certifications
ENERGY STAR®[5] 9.0
EPEAT®[6] Gold
RoHS Compliant
TCO 10.0

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 and select discrete graphics cards only.
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**
• Not available in all countries.

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