

Lenovo ThinkStation

Lenovo ThinkStation P5 Gen 2 The Futureproof Industry Workhorse

Lenovo



That's the power of Intel Inside®

The Lenovo ThinkStation P5 maximizes productivity and flexibility for professionals with demanding workloads. Its modular, tool-free chassis and front-access hot-swap storage make upgrades and data handling effortless. Powered by Intel® Xeon® 600 processors for workstation (up to 48 cores) and PCIe Gen 5 bandwidth, the P5 delivers blazing-fast performance for BIM, 3D CAD, VFX, and AI development. Support for up to two NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition GPUs enables real-time visualization and accelerated AI inferencing, empowering users to tackle complex projects with confidence.

Processor:

48 Cores
4.9GHz

Intel Xeon 600
processors for workstation

Graphics:

96GB GDDR7
ECC VRAM

Up to two NVIDIA RTX PRO 6000
Blackwell Max-Q Workstation Edition GPUs

ECC Memory:

1TB
DDR5

8 DIMM slots

AI:

3511
TOPS

Fifth-Gen Tensor Cores

Features



Breakthrough Compute Architecture

The latest Intel Xeon 600 processors provide the ultimate workstation platform for professional compute demands



Easy Configurability

Front drive access, hot-swap disks, and tool-less serviceability



Future-proof Solutions

High speed DDR5 memory and ultra-fast PCIe Gen 5 bandwidth



Mission Critical Certified

Certified by leading industry software application vendors for seamless application use

Lenovo ThinkStation P5 Gen 2 Product Specifications[^]

Performance

Processor

Intel Xeon 600 processors for workstation (up to 48 cores, up to 4.9GHz)

Chipset

Intel W890

Graphics

Up to 2 NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition, 96GB GDDR7 ECC memory

AI

GPU: up to 3511 TOPS

Total Memory

Up to 1TB DDR5, Up to 6400MT/s

Memory DIMM Capacity

16GB / 32GB / 64GB / 128GB ECC RDIMM

8 DIMM Slots

Storage Type Capacity

M.2 PCIe NVMe SSD up to 4TB

3.5" SATA HDD up to 12TB

Total Storage

Up to 7 total drives

Max M.2 = 4 (16TB)

Max 3.5" = 3 (36TB)

RAID

0/1/10/5

Power Supply

750W, 1000W (92% efficient)

Design

Dimensions (WxDxH)

(mm): 165 x 453 x 446

(inches): 6.50 x 17.83 x 17.55

Weight

Starting at: 12.5kg (27.60lbs)

Connectivity

Front Ports

(1) Audio Combo Jack

(2) USB-C® 3.2 Gen 2 (10Gbps)*

(2) USB-A 3.2 Gen 2 (10Gbps)*

(1) 15-in-1 Media Card Reader¹

Rear Ports

(1) USB-C 3.2 Gen 2x2 (20Gbps)*

(1) USB-C 3.2 Gen 2x2 (10Gbps)*

(2) USB-A 2.0*

(2) USB-A 3.2 Gen 2 (10Gbps)*

(1) RJ-45 Gigabit Ethernet

(1) Line in (3.5mm)

(1) Line out (3.5mm)

WLAN + Bluetooth®

Intel Wi-Fi 7 BE200 + Bluetooth 5.4²

Internal Wi-Fi Antenna

Ethernet

Intel 2.5Gb I226-LM, supports Wake-on-LAN

Optional Ethernet Adapters

Expansion Slots

(2) PCIe 5.0 x16

(1) PCIe 5.0 x8

(3) PCIe 4.0 x4

¹ Optional

² Bluetooth 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.

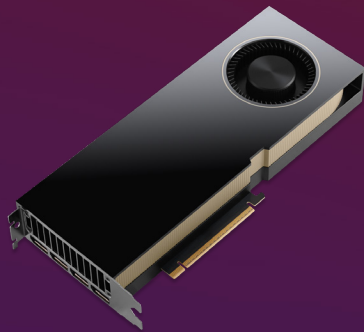
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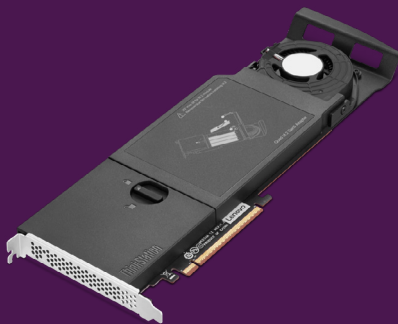
Lenovo Options & Accessories



ThinkVision P32UD-40



NVIDIA RTX PRO 6000
Blackwell Max-Q
Workstation Edition



ThinkStation PCIe Gen5
Quad M.2 SSD Adapter



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)



Lenovo ThinkStation P5 Gen 2 General Specifications[^]

Software

Operating System

Windows 11 Pro for Workstation
Ubuntu[®] Linux[®]
Red Hat[®] Enterprise Linux

Windows Preloads

Lenovo Commercial Vantage

ISV Certifications

Including AVID[®], Altair[®], Autodesk[®], ANSYS[®], Bentley[®], Dassault[®], Nemetschek[®], PTC[®], Siemens[®]

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

Security

ThinkShield

Self-healing BIOS
Power On Password
UEFI Secure Boot
TPM 2.0
Kensington Security Slot
Chassis Intrusion Switch

Sustainability

Material

65% PCC ABS bezel
95% PCC ABS wired USB keyboard/
mouse top/bottom cover
90% PIC recycled plastic EPE cushion
30% OBP used in bag
FSC certified paper in packaging

Certifications

ENERGY STAR[®] 9.0
EPEAT[®] Gold¹
TCO Certified 10
RoHS Compliant

Smarter
technology
for all

Lenovo

Software Solutions

Lenovo Performance Tuner (LPT)

A free performance optimization tool designed for ThinkStation P and ThinkPad P Series workstations. It helps professionals get the most out of their hardware by dynamically adjusting system resources for demanding applications.

ThinkStation Diagnostics

A Windows-based application that provides real-time notifications of hardware events on your desktop. Designed to alert you immediately of errors before potential incidents occur, right on the system tray. Scan the QR code on the built-in LCD to view diagnostic causes and recommended remedies.

Linux

Lenovo delivers out-of-the-box Linux support by certifying the entire portfolio of ThinkStation and ThinkPad P Series workstations. This commitment prioritizes the needs of specialized users, guaranteeing a seamless and optimized Linux experience.

¹ 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>



Lenovo Solutions to Enhance Your Business Productivity

Lenovo offers solutions that help organizations run smoother and move faster. Lenovo Commercial Services reduce IT complexity, speed deployment, and keep devices optimized throughout their lifecycle. Lenovo ThinkShield delivers comprehensive, modern and resilient protection across every layer from supply chain to cloud, helping teams stay productive and compliant. Integrated into Lenovo Workstations, these solutions ensure that high-performance devices remain protected, optimized, and ready to meet the demands of modern workflows. The result is greater resilience and simpler management with less effort.

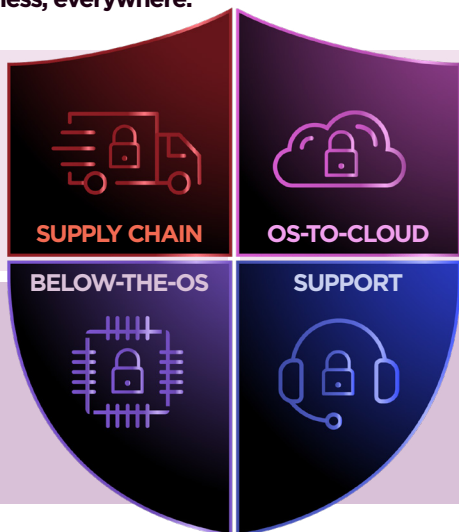
Lenovo Services

 <h3>Protection & Support Services</h3> <p>Designed to help maintain and evolve the capabilities of your devices over their lifespan with flexible options for warranty extensions, Lenovo Protection & Support Services also help minimize unplanned operating and maintenance expenses, enhancing the budget predictability of your IT operations.</p> <ul style="list-style-type: none"> • Premier Support Plus • Premier Support • Accidental Damage Protection 	 <h3>Digital Workplace Solutions with Lenovo xIQ Digital Workplace Platform</h3> <p>Lenovo's comprehensive and flexible suite of Digital Workplace Solutions, powered by Gen AI technology, Lenovo xIQ Digital Workplace Platform creates a hyper-personalized experience that boosts employee satisfaction and productivity, automating workflows to streamline tasks and reduce IT strain.</p> <ul style="list-style-type: none"> • TruScale DaaS • TruScale DaaS for Sustainability • TruScale DaaS for AI PC • Security Services • Managed Services 	 <h3>AI Services</h3> <p>From strategy to scale, Lenovo helps you design, deploy, and manage secure AI solutions that align with your goals and deliver measurable ROI.</p> <ul style="list-style-type: none"> • AI Discover • AI Adoption & Change Management
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Security: Lenovo ThinkShield

Lenovo is committed to being our customer's most trusted technology supplier. ThinkShield delivers comprehensive, modern, and resilient solutions to defend your business.

Lenovo ThinkShield, protecting your business, everywhere.

<h3>Secure from the start</h3> <p>End-to-end supply chain protection with verifiable hardware and software assurance.</p>		<h3>Smarter protection (AI+XDR)</h3> <p>End-to-end supply chain protection with verifiable hardware and software assurance.</p>
<h3>Integrity at every level</h3> <p>Fleet-wide firmware and hardware defense against rogue devices and advanced attacks.</p>	<h3>Always on</h3> <p>Expert protection and support, seamlessly handled by one trusted partner, 24x7.</p>	

Fueled by delivering smarter technology for all, Lenovo ThinkShield is constantly evolving our hardware, software and services to provide reliable security solutions to defend your business—without compromising end-user productivity.

Learn more at Lenovo.com/Services and Lenovo.com/ThinkShield

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