ThinkStation P2 Tower Gen 2

The ThinkStation, equipped with up to a 125W Intel® Core™ Ultra (Series 2) processor, supporting up to 24 cores, delivers formidable computational power that caters seamlessly to the needs of business professionals. This advanced processor architecture ensures high efficiency in multitasking, rapid application response times, and outstanding performance under heavy workloads. Furthermore, the ability to support up to 12 independent displays via 2x DisplayPort, 1x HDMI®, 1 by Flex IO port, 8 by two optional discrete graphics enhances productivity by providing greater screen real estate, reducing window-switching fatigue, and facilitating simultaneous monitoring of multiple data streams or applications.

Elevate Professional Endeavors with Powerhouse Workstations

ThinkStation P2 Series workstations provide affordable power-computing with a choice of processor technologies, expansion bays and support for multiple storage drives.

Engineered for business professionals demanding top-tier performance, this ThinkStation offers support for up to 128GB DDR5-5600 UDIMM memory, ensuring exceptional speed and responsiveness for intensive multitasking, data analysis, and content creation. It features an optional 9.0mm optical drive with DVD-ROM, DVD±RW, and Blu-ray capabilities, providing flexible media access and archival options.

Integrated Intel® Graphics deliver reliable everyday performance, while the option to configure up to two NVIDIA® RTX 2000 Ada Generation discrete GPUs unlocks powerful capabilities for 3D rendering, AI-driven applications, and advanced visualization tasks.

Power through your everyday computing tasks like never before. With up to 128 GB DDR5-5600 UDIMM memory, the tower can handle 3D renderings or data analysis without experiencing performance bottlenecks.

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Lenovo Services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..

Accessories

Lenovo Go Wireless Split Keyboard

- Human-inspired true ergonomic split keyboard with tactile and responsive, scissor switch keys
- 13-degrees splay for straight typing, comfortable neck and shoulders
- 11-degrees vertical tenting for more natural typing posture

PN: 4Y41C33748~4Y41C33789

Lenovo Go Wireless Vertical Mouse

- 6-button mouse including 2 programmable side buttons and an IR sensor
- True Ergonomic vertical design with a 45-degree vertical grip made from treated cork material
- 800, 1600, 2400 adjustable DPI and 2.4 GHz wireless dongle connection

PN: 4Y51C33792

ThinkStation P2 Tower Gen 2

Performance

Processor
Up to one 125W Intel Core Ultra (Series 2) processor

Operating System*
Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Ubuntu Linux LTS
Red Hat Enterprise Linux (certified only)

Graphics
Supports up to two NVIDIA RTX PRO 2000 Blackwell

Chipset
Intel W880 chipset

Memory [1]
Up to 128GB, four DDR5 DIMM slots

[1]The max memory is based on the test results with current Lenovo memory offerings.

Storage [2]
Up to 2x 3.5" SATA HDD; also supports up to 4x M.2 SSD (3x onboard, 1x M.2 to PCIe adapter)
- 3.5" HDD up to 4TB each
- Onboard M.2 SSD up to 4TB each
- M.2 SSD by M.2 to PCIe adapter up to 4TB

[2]The storage capacity supported is based on the test results with current Lenovo storage offerings.

Power Supply*
500W 92% PSU, 80 PLUS Platinum qualified
750W 92% PSU, 80 PLUS Platinum qualified

Design

Dimensions [3]
170 x 315.35 x 376 mm (6.7 x 12.4 x 14.8 inches, with feet)

[3]The system dimensions may vary depending on configurations.

Weight [4]
9.67 kg (21.32 lbs, maximum configuration)

[4]The system weight is approximate and may vary depending on configurations

Bays
Three internal disk bays:
- Bay 1 supports one 3.5" HDD, standard
- Bay 2 supports one 3.5" HDD, optional
- Bay 3 supports one 2.5" HDD, optional
- Front Access HDD Bay supports one 3.5" HDD, optional, occupies Bay 2 location

Expansion Slots
One PCIe 5.0 x16
One PCIe 4.0 x16 (x4 lanes)
Two PCIe 3.0 x1
Three onboard M.2 slots (for SSD)
One single M.2 to PCIe adapter (for SSD)*
One M.2 slot (for WLAN)

Connectivity

Ethernet*
One onboard Gigabit Ethernet
Additional Ethernet options via PCIe adapter

WLAN + Bluetooth*
Intel Wi-Fi 7 BE200, 802.11be 2x2 Wi-Fi + Bluetooth 5.4

Front ports
1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only
2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
1x headphone / microphone combo jack (3.5mm)
1x microphone (3.5mm)
1x SD card reader*

Rear ports
2x USB-A (Hi-Speed USB / USB 2.0)
2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one supports Smart Power On
1x HDMI 2.1 TMDS
2x DisplayPort 1.4
1x Ethernet (RJ-45)
1x line-out (3.5mm)
1x USB-C (USB 5Gbps / USB 3.2 Gen 1), with DisplayPort function (Flex IO)*
1x HDMI 2.1 TMDS (Flex IO)*
1x DP 1.2 (Flex IO)1x VGA (Flex IO)*
1x parallel (via cable and PCIe bracket)*
1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2), support data transfer, via PCIe x4 card*
2x USB-A (Hi-Speed USB / USB 2.0), via cable and PCIe bracket*
2x USB-A (USB 5Gbps / USB 3.2 Gen 1), via additional PCIe x1 adapter*
1x serial (via cable)*
4x serial (via 4-port serial expansion card, PCIe x1)*

Security & Privacy

Security
Discrete TPM 2.0
E-lock*
Kensington Security Slot, 3 x 7 mm
Padlock Loop
Chassis intrusion switch*

Manageability

System Management* [5]
Intel vPro Enterprise with Intel AMT 16.0*

[5]Intel vPro offers a superset of DASH's defined capabilities.

Certifications

Green Certifications [6] [7]
ENERGY STAR 9.0
EPEAT Gold Registered
RoHS compliant
TCO Certified, generation 10

[6]The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[7]EPEAT is registered where applicable, please see epeat.net for registration status by country.

Items with * are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2026 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.