Lenovo
ThinkStation

Lenovo ThinkStation P2
Power of a Workstation, Price of a Desktop

EMEA version March 2024

Lenovo

Workstation performance is now within your reach with the ThinkStation P2. Purposefully built for essential tasks that are data intensive and require superior reliability and professional grade performance, the ThinkStation P2 leads on both counts and does it with exceptional all-around value. Perfectly configured for the work you do, this system supports Intel vPro® with up to Intel® Core™ i9 processors and 24 cores, NVIDIA RTX™ A2000 12GB graphics, and support for power supplies up to 750W offering premium performance at an affordable price. The ideal workstation solution for entry-level CAD, product design, STEAM educators and students alike, the versatile P2 is ISV certified and is built to meet your individual workflow needs without breaking the bank.

Processor:
6.0GHz
24 Cores
Intel vPro® platform featuring Intel® Core™ processors

Graphics:
NVIDIA RTX™
A2000[1]
12GB GDDR6 Memory

Memory:
128GB
DDR5
Up to 5600MHz
ECC or non-ECC[1]

Storage:
8TB M.2
PCIe® Gen4
Up to two 4TB NVMe Performance SSDs

Features

Entry level performance leadership
Full Workstation Performance with up to 125W CPUs and best in class GPUs

Choice of storage options
Up to 24TB internal storage. Choose M.2 SSDs or, 3.5″ SATA HDDs to maximize storage potential

Legendary Reliability
Tested to over 200 quality checks

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

Lenovo ThinkStation P2
Product Specifications^

Performance

Processor
Intel vPro® Platform featuring Intel® Core™ 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 5.2GHz)^

Chipset
Intel® W680

Graphics
Discrete:
Up to NVIDIA RTX™ A2000 12GB GDDR6 Memory[1]

Processor Integrated:
Intel® UHD Graphics 770[2]
Intel® UHD Graphics 730[2]

Total Memory
Up to 128GB DDR5, 5600MHz[3]

Memory DIMM Capacity
16GB / 32GB ECC

8GB / 16GB / 32GB non-ECC

4 UDIMM Slots

Storage Type Capacity[4]
M.2 PCIe® NVMe SSD up to 4TB

3.5″ SATA HDD up to 6TB

Total Storage
Up to 5 total drives
Max M.2 = 3 (10TB)[5]
Max 3.5″ = 2 (12TB)

RAID
M.2 = 0/1

SATA - 0/1

Power Supply
500W, 750W, 92% Efficient

Design

Dimensions (WxDxH)
(mm): 170 x 315.4 x 376
(inches): 6.7 x 12.4 x 14.8

Weight
Starting at: 20.7lbs (9.41kg)

Connectivity

Front Ports
(2) USB-A (USB 5Gbps)*

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

(1) USB-C® (USB 10Gbps)*

(1) Audio Combo Jack

(1) Mic

Rear Ports
(1) HDMI® 2.1 TMDS

(2) DisplayPort™ 1.4

(4) USB-A (USB 5Gbps)* (one supports Smart Power On)

(1) RJ-45 Gigabit Ethernet

(1) Audio (line out)

Optional Rear Ports[6]
(2) USB-A (USB 5Gbps)*

(2) USB-A (Hi-Speed USB)

(1) USB-C® (USB 5Gbps)*

(1) USB-C® (USB 20Gbps)*

(1) Thunderbolt™ 4

(2) PS/2

(1) 1x Serial

(1) 4x Serial

(1) Parallel Port

(1) VGA

(1) DisplayPort™ 1.2

(1) HDMI® 2.1 TMDS

Removable Storage[6]
(1) 3-in-1 Media Card Reader

(1) Slim ODD

(1) Front Accessible Drive Bay

Optional WLAN
Intel® I210-T1 Single Port PCIe x1 Gigabit Ethernet Adapter

Intel® I350-T2 Dual Ports PCIe x4 Gigabit Ethernet Adapter

Intel® I350-T4 Quad Ports PCIe x4 Gigabit Ethernet Adapter

Bitland RTL8168H 1000M PCIe HP

Expansion Slots
(1) PCIe® 4.0 x16

(1) PCIe® 4.0 x4

(2) PCIe® 3.0 x1

---

1 ISV Certification available on NVIDIA® T1000 and T400 only

2 Processor Integrated graphics dependent upon processor selected

3 Memory spec frequency listed; system support frequency may vary by configuration

4 Any combination of storage to equal maximum storage drives

5 Optional M.2 Add In Card (up to 1x2TB) adds additional storage

6 Optional, additional hardware may be required; most require PCIe® adapters and a PCIe® slot

^ 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.
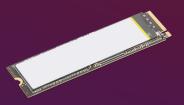
intel. vPRO i9

NVIDIA.

Lenovo

Lenovo Options & Accessories

ThinkVision P27q-30

2TB M.2 SSD

NVIDIA® A2000 12GB 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
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

ThinkShield
TPM 2.0

Self-healing BIOS

Power On Password

UEFI Secure Boot

Kensington Lock Slot

Sustainability

System
95% PCC recycled plastic front bezel

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 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