ThinkStation P920

EXTREME POWER AND PERFORMANCE

MOST ADVANCED DUAL-PROCESSOR WORKSTATION

The ThinkStation P920 defines power and reliability. Customized for the performance you need, including the most I/O, supporting up to two NVIDIA RTX A6000 or three GV100 graphics cards. The most advanced dual-processor workstation features the latest Intel Xeon CPUs and architecture. Superior design features on this top-of-the-line workhorse include Flex Trays that hold up to two drives per tray and blind connection for cable-free versatility. The ThinkStation P920 runs cooler than ever with Tri-Channel cooling and innovative air baffle design for enhanced reliability. Ideal for highest-performance workflows including rendering, simulation, visualization, deep learning, and artificial intelligence across industries.

FEATURES

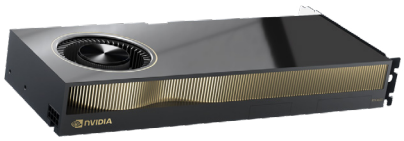
- Dual Intel® Xeon® scalable processors
- Up to 2x NVIDIA RTX™ A6000 graphics cards
- Up to 12 total drives for ultimate flexibility
- 1400W power supply (92% efficient)
- FLEX Module, FLEX Drives
- Utilize smartphone app for system diagnostic information

Lenovo

Lenovo Options & Accessories

ThinkVision P27q-20

ThinkStation Quad M.2 Adapter



NVIDIA RTX™ A6000

Lenovo ThinkStation P920 Specifications^

PERFORMANCE

Processor

Up to Dual Intel® Xeon® Scalable Processors (up to 28 cores, up to 4.0GHz per CPU)

Chipset

Intel C621

Operating System

Windows 11 Pro for Workstations
Windows 10 Pro for Workstations (preinstalled through downgrade rights in Windows 11 Pro for Workstations)
Ubuntu® Linux® 20.04 LTS[1]
Red Hat® Linux® (certified)

Graphics

Up to 2x NVIDIA RTX™ A6000

Total Memory

Up to 2TB DDR4, 2933MHz (supports RDIMM and LRDIMM)

Memory DIMM Capacity

8GB / 16GB / 32GB / 64GB / 128GB
16 DIMM Slots

Total Storage

Up to 12 total drives[2]
Up to 4 internal storage bays
Max M.2 = 2 (4TB)
Max 3.5" = 6 (36TB)
Max 2.5" = 10 (20TB)

Storage Type Capacity

M.2 PCIe SSD up to 2TB
3.5" SATA HDD 7200rpm up to 6TB
2.5" SATA SSD up to 2TB

RAID

0/1/5/10

Power Supply

1400W, 92% efficient

CONNECTIVITY

Front Ports

(4) USB 3.1 Gen 1 Type-A*
(1) Mic/Headphone Combo Jack
(1) Thunderbolt™ 3 Type-C[3]
(1) eSATA[3]
(1) USB 3.1 Gen 1 Type-C*[3]

Rear Ports

(4) USB 3.1 Gen 1 Type-A*
(2) USB 2.0 Type A
(2) PS/2
(2) RJ-45 Gigabit Ethernet
(1) Audio Line-In
(1) Audio Line-Out
(1) Microphone-In
(1) eSATA[4]

WLAN

Intel 8265 2x2 AC + Bluetooth™ 4.2 vPro

Removable Storage

(1) Media Card Reader[5]
(1) Slim ODD[4]
(1) Front Accessible Drive Enclosure[4]

Expansion Slots

(5) PCIe x16
(3) PCIe x4

SOFTWARE

Lenovo Preload[6]

Lenovo Commercial Vantage
Lenovo ThinkShield

DESIGN

Dimensions (WxDxH)

(mm): 200 x 620 x 446
(inches): 7.9 x 24.4 x 17.6

Weight

Max configuration: 81.6lbs (37kg)

ISV CERTIFICATIONS

Adobe®, ANSYS®, Autodesk®, AVID®, Altair®, AVEVA™, Bentley®, Dassault®, Nemetschek®, PTC®, Siemens®, Halliburton®, Schumberger®, Barco®, Eizo®, McKesson®

GREEN CERTIFICATIONS

ENERGY STAR® 8.0
EPEAT®[7]
GREENGUARD®
RoHS Compliant
80 PLUS® Platinum – 1400 W PSU

For a full list of accessories and options, please visit:
https://accsmartfind.lenovo.com

1 Select versions available via preload; versions are configuration specific

2 Any combination of storage to equal maximum storage drives

3 Optional; available in front bay via FLEX Module

4 Optional

5 9-in-1 standard; 15-in-1 optional

6 Available with the Windows Operating System only

7 Certification available on select models; EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

* The actual transfer speed of the USB 3.1 Gen1 will vary and, depending on many factors, such as the processing capability of host and peripheral devices, file attributes and other factors related to system configuration and your operating environments, will be slower than a speed of 5Gbit/s.

^ For a full list of configuration details please visit: **https://psref.lenovo.com**

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 Upgrades—Onsite and Next Business Day
Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.

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.

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