ThinkStation P520

Our most powerful single-CPU workstation is built around the Intel Xeon® W series processor. The Tri-Channel cooling system separates air between 3 areas inside the machine, improving cooling performance, so you can configure up to 2x NVIDIA Quadro® RTX 4000 or Quadro GP100 graphics cards in this relatively compact 33L device. FLEX Trays - front-mounted storage bays - can accommodate a range of storage, media or connectivity port options.

Lenovo PC Diagnostics allows your workstation to communicate directly to your mobile device in the event the system will not boot or power on. This application provides instant diagnostics and potential solutions.

Certified or recommended for use with: Adobe After Effects, Adobe Photoshop, Adobe Premiere Pro

Manage complex data analysis workloads with the right configuration of multicore processors and error-free ECC memory.

Professional machines for advanced users

Designed for ultimate versatility, the ThinkStation P5 is the all-around industry workstation for demanding professionals. With scalable, future-proof solutions tailored to mission-critical environments, it features the latest processors and cutting-edge graphics cards, delivering unparalleled performance.

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..

On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

Accessories

NVIDIA Quadro graphics cards

- Upgrade your workstation with a range of powerful NVIDIA Quadro graphics cards
- Can handle large rendering tasks, visual effects and life-like VR experiences with ease
- Fully qualified on ThinkStation machines

PN: Varies by configuration

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Performance

Processor
Up to one Intel Xeon W-2100 / W-2200 Series

Operating System
Windows 11 Pro for Workstations
Windows 11 DG Windows 10 Pro 64 for Workstations
Windows 10 Pro 64 for Workstations
Ubuntu Linux LTS
Red Hat Enterprise Linux (certified only)

Graphics
Supports up to one NVIDIA Quadro RTX 8000

Chipset
Intel C422 chipset

Memory [1]
Up to 512GB DDR4-2933 ECC, eight DIMMs

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

Storage [2]
Up to 6x 3.5" SATA HDD / 2.5" SATA HDD / 2.5" SATA SSD +
9x M.2 PCIe SSD + 1x PCIe AIC SSD
3.5" HDD up to 6TB each
2.5" SATA HDD up to 500GB each
2.5" SATA SSD up to 2TB each
2.5" SAS HDD up to 600GB each
M.2 PCIe SSD up to 2TB each
PCIe AIC SSD up to 480GB each
RAID 0/1/10/5/6 (RAID 5 and RAID 6 are optional)

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

Design

Dimensions [3]
165 x 460 x 440 mm (6.5 x 18.1 x 17.3 inches, with feet)

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

Weight [4]
24 kg (52.91 lbs, maximum configuration)

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

Connectivity

Ethernet
One onboard Gigabit Ethernet
Additional Ethernet options via PCIe adapter

WLAN + Bluetooth*
Intel Wi-Fi 5 8265, Bluetooth 4.2, vPro*

Security & Privacy

Security
Discrete TPM 2.0
Access Panel Lock Kit with Common Key*
Access Panel Lock Kit with Unique Key*
Kensington Security Slot, 3 x 7 mm

Manageability

System Management* [5]
Intel vPro with Intel AMT 11.0

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

Certifications

Green Certifications [6] [7]
EPEAT Silver Registered
ENERGY STAR 8.0*
GREENGUARD
RoHS compliant

[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.*