

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

ThinkStation P5 series mainstream workstations offer a wide choice of professional graphics cards along with storage and expansion capabilities.

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

- If a problem can't be fixed remotely, we will visit your location
- 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

Memory¹
Up to 512GB DDR4-2933 ECC, eight DIMMs

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

Storage²
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)

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

Design

Dimensions³
165 x 460 x 440 mm (6.5 x 18.1 x 17.3 inches, with feet)

³The system dimensions may vary depending on configurations.

Weight⁴
24 kg (52.91 lbs, maximum configuration)

⁴The 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

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

Certifications

Green Certifications⁶ ⁷
EPEAT Silver Registered
ENERGY STAR 8.0^{*}
GREENGUARD
RoHS compliant

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

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

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