

ThinkStation P520

USABILITY, RELIABILITY
AND PERFORMANCE



Lenovo

ThinkStation P520



VERSATILE WORKSTATION CONFIGURED YOUR WAY

The most powerful single CPU workstation- a next-generation system that packs enough punch for any job and is reliable enough for mission-critical environments. Customize a ThinkStation® P520 for the power, performance and usability you need, including the highest number of cores and insane frequencies with the latest high-performing Intel® Xeon® W processors and professional NVIDIA® Quadro® graphics.

OPTIONS & ACCESSORIES

ThinkVision P27u ▶



ThinkStation® Quad M.2 Adapter ▶



NVIDIA® Quadro® P5000 ▶



Lenovo™ ThinkStation® P520

PERFORMANCE

Processor

Intel® Xeon® W Series Processor (Up to 18 cores, Up to 4.5GHz)

Operating System

Windows 10 Pro for Workstations⁶
Ubuntu Linux (pre-load)
Redhat Linux (certified)

Graphics

Up to NVIDIA® Quadro
RTX™ 6000 or GV100

Total Memory

Up to 256GB DDR4, 2666 MHz,
8 DIMM Slots

Memory DIMM Capacity

8 GB / 16 GB / 32 GB
RDIMM

Total Storage

Up to 8 total drives¹
Up to 4 internal storage bays
Max 3.5" = 6 (36TB)
Max 2.5" = 6 (12TB)
Max M.2 = 2 (2TB)

Storage Type Capacity

3.5" SATA 7200 RPM Up to 6TB
2.5" SATA SSD Up to 2TB
2.5" SAS HDD Up to 600GB
M.2 PCIe SSD Up to 2TB

Raid

0, 1, 5, 10

Power Supply

690W 92% efficient
900W 92% efficient

Chipset

Intel® C422

CONNECTIVITY

Front Ports

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

Rear Ports

(4) USB 3.1 Gen 2** Rear Adapter
(2) USB 2.0
(2) PS/2
(1) Rear Thunderbolt™ Adapter²
(1) Gigabit Ethernet
(1) Audio Line-In
(1) Audio Line-Out
(1) Microphone-In
(1) eSATA^{2,3}
(1) Firewire^{2,3}

WiFi²

Intel® Dual Band Wireless – AC 8265
802.11ac, 2 x 2, 2.4GHz /
5GHz + Bluetooth® 4.2

Removable Storage

(1) 15-in-1 Media Card Reader⁵
(1) 9.0mm Slim ODD²
(1) Front Accessible Drive Tray²
(1) Front Removable M.2 PCIe
SSD Enclosure

Expansion Slots

(2) PCIe x16 Gen 3
(1) PCIe x8 Gen 3
(2) PCIe x4 Gen 3
(1) PCI

DESIGN

Dimensions (WxDxH)

(mm) : 455 x 165 x 440
(inches): 18.0 x 6.5 x 17.3
33L Rack Mountable Tower

SOFTWARE

Windows 10 Preloads
CyberLink PowerDVD
CyberLink Create
Lenovo™ ThinkStation® Diagnostics
Lenovo™ Companion
Lenovo™ Solution Center
Microsoft® Office 2016 (trial)

ISV CERTIFICATIONS

Adobe®; Autodesk®; AVID®; Altair®;
AVEVA™; Bentley®; Dassault®;
Nemetschek®; PTC®; Siemens®;
Barco®; Eizo®; Mckesson®

GREEN CERTIFICATIONS

ENERGY STAR® 6.1 Qualified
GREENGUARD® Certified
EPEAT™ Gold rating
RoHS Compliant
80 PLUS® Platinum – 690W PSU
80 PLUS® Platinum – 900W PSU
ErP Lot-6 2014

OPTIONS & ACCESSORIES

ThinkVision® P27u
ThinkVision® P24q
Rack Rail Kit
ThinkStation® Quad M.2 Adapter
3DConnexion CadMouse

For full list of accessories and options,
please visit <http://accsmartfind.lenovo.com>

¹ Any combination of storage to equal maximum storage drives

² Optional

³ Optional, Available in front bay via FLEX Module

⁴ Support via PCIe carrier

⁵ 9-in-1 Media Card Reader standard

⁶ Available via Windows 10 Pro 64-bit license downgrade facilitation.

RECOMMENDED SERVICES

Premier Support

Bypass phone menus and scripted troubleshooting to access advanced-level technicians with the expertise needed to quickly diagnose and solve problems.^{1,2}

Warranty Upgrades & Extensions

Maximizes PC uptime and productivity by providing convenient, fast repair service at customer's place and extend the term of the base warranty at the same service level, offering longer protection against unexpected repair or replacement costs.¹

Keep Your Drive

Retain your drive if it should happen to fail, giving you the peace of mind of knowing that your valuable data is secure.^{1,2}

1 Up to 5 years total duration
2 May not be available in all regions



Powered by Intel®
Xeon™ processors.
Intel Inside®. Powerful
Productivity Outside.

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* 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.

** The actual transfer speed of the USB 3.1 Gen2 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 10Gbit/s.