

ThinkStation P520

USABILITY, RELIABILITY, AND PERFORMANCE



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 RTX graphics.

FEATURES



Intel® Xeon® W Series processor



Up to NVIDIA® Quadro RTX™ 8000 graphics card



ThinkStation M.2 Quad Adapter support



Up to 1000W power supply (up to 92% efficient)



Up to 8 total drives for ultimate flexibility



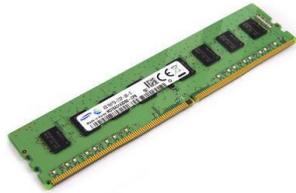
Support for 10GB networking¹

Lenovo™

Lenovo™ Options & Accessories



ThinkVision® P24q-20



Lenovo 16GB 2933MHz ECC RDIMM Memory



NVIDIA® Quadro RTX™ 4000

Lenovo ThinkStation® P520 Specifications

PERFORMANCE

Processor

Intel® Xeon® W Series Processor
(up to 18 cores, up to 4.7GHz)

Chipset

Intel C422

Operating System

Windows 10 Pro for Workstations
Ubuntu® Linux²
Red Hat® Linux (certified)

Graphics

Up to NVIDIA Quadro RTX 8000

Total Memory

Up to 512GB DDR4, 2933MHz

Memory DIMM Capacity

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

Total Storage

Up to 8 total drives³
Up to 4 internal storage bays
Max M.2 = 2 (4TB)
Max 3.5" = 6 (36TB)
Max 2.5" = 6 (12TB)

Storage Type Capacity

M.2 PCIe SSD up to 2TB
3.5" SATA 7200rpm up to 6TB
2.5" SATA SSD up to 2TB
2.5" SATA HDD up to 500GB

RAID

0/1/5/10

Power Supply

690W, 900W, or 1000W
92% efficient

CONNECTIVITY

Front Ports

(4) USB 3.1 Gen 1 Type-A*
(1) Mic/Headphone Combo Jack
(1) Thunderbolt™ 3 Type-C⁴
(1) eSATA⁴
(1) USB 3.1 Gen 1 Type-C*⁴

Rear Ports

(4) USB 3.1 Gen 1 Type-A*
(2) USB 2.0 Type-A
(2) PS/2
(1) RJ-45 Gigabit Ethernet
(1) Audio Line-In
(1) Audio Line-Out
(1) Microphone-In
(1) Serial Port¹
(1) Rear Thunderbolt Adapter¹
(1) eSATA¹

WLAN

Intel 8265 2x2 AC + Bluetooth™ 4.2 vPro

Removable Storage

(1) Media Card Reader⁵
(1) Slim ODD⁴
(1) Front Accessible Storage Enclosure¹

Expansion Slots

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

SOFTWARE

Lenovo Preload⁶

Lenovo Vantage
Lenovo ThinkShield

DESIGN

Dimensions (WxDxH)

(mm): 165 x 460 x 440
(inches): 6.5 x 18.1 x 17.3

Weight

Max configuration: 52.9lbs (24kg)

ISV CERTIFICATIONS

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

GREEN CERTIFICATIONS

ENERGY STAR® 7.0
EPEAT®⁷
GREENGUARD®
RoHS Compliant
80 PLUS® Platinum – 690W, 900W, and 1000W PSU

Lenovo™

For a full list of accessories and options, please visit:

<https://accsmartfind.lenovo.com>

¹ Optional

² Select versions available via preload; versions are configuration specific

³ Any combination of storage to equal maximum storage drives

⁴ Optional; available in front bay via FLEX Module

⁵ 9-in-1 standard; 15-in-1 optional

⁶ Available with Windows 10 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.

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.

© 2020 Lenovo. All rights reserved. These products are available while supplies last. For any questions concerning price, please contact your Lenovo Account Executive. Lenovo is not responsible for photographic or typographic errors. Warranty: For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. Trademarks: Lenovo, the Lenovo logo, ThinkStation, ThinkVision, and Vantage are trademarks or registered trademarks of Lenovo. Microsoft and Windows are registered trademarks of Microsoft Corporation. Intel, Xeon, Core, Thunderbolt, and Intel vPro are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. Bluetooth is a trademark of its proprietor and used by Lenovo under license. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. The NVIDIA logo, Quadro, and RTX are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. USB Type-C and USB-C are trademarks of USB Implementers Forum. Other company, product, and service names may be trademarks or service marks of others.

