

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 18 cores, up to 4.5GHz)
-  Supports up to NVIDIA Quadro RTX 6000 or GV100 Graphics Cards
-  ThinkStation M.2 Quad Adapter support
-  690W or 900W power supply (up to 92% efficiency)
-  Up to 8 total drives for ultimate flexibility
-  Support for 10GB Aquantia networking card



Lenovo™ Options & Accessories



ThinkVision® P24q



ThinkStation Quad M.2 Adapter



NVIDIA Quadro RTX 6000

Lenovo ThinkStation P520 Specifications

PERFORMANCE

Processor

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

Chipset

Intel® C422

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, 2666MHz

Memory DIMM Capacity

8 GB / 16 GB / 32 GB RDIMM
8 DIMM Slots

Total Storage

Up to 8 total drives¹
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 7200 RPM Up to 6TB
2.5" SATA SSD Up to 2TB
2.5" SAS HDD Up to 600GB

Raid

0, 1, 5, 10

Power Supply

690W 92% efficient
900W 92% efficient

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}

WLAN

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

Expansion Slots

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

SOFTWARE

Windows 10 Preloads

Lenovo Vantage

DESIGN

Dimensions (WxDxH)

(mm) : 455 x 165 x 440
(inches) : 18.0 x 6.5 x 17.3

Weight

Max configuration: 52.91 lb (24kg)

ISV CERTIFICATIONS

Adobe®; Autodesk®; AVID®; Al-
tair®; AVEVA™; Bentley®; Dassault®;
Nemetschek®; PTC®; Siemens®;
Barco®; Eizo®; Mckesson®

GREEN CERTIFICATIONS

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

For full list of accessories and options, please visit:
<https://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.

* 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.

Lenovo™

RECOMMENDED SERVICES

Lenovo™ offers a comprehensive portfolio of services to support and protect your ThinkPad® 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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ThinkStation P520c

AFFORDABLE POWER









MAINSTREAM WORKSTATION ON A BUDGET

Closing the gap in price and performance between entry-level and high-end workstations.

The ThinkStation® P520c offers a higher CPU performance and memory capacity than any entry-level workstation in the market. Offering the latest high-performance Intel® Xeon® W processors, NVIDIA® Quadro RTX™ professional graphics, and cutting-edge storage technologies, in a compact tower workstation.

FEATURES

-  Intel Xeon W Series processor (up to 18 cores, up to 4.5GHz)
-  NVIDIA Quadro RTX 4000 or P5000 Graphics Cards
-  128GB (4 x 32GB) RDIMM ECC memory
-  500W power supply (up to 92% efficiency)
-  Up to 6 total drives, including dual M.2 support
-  4 PCIe slots on compact chassis

Lenovo

Lenovo™ Options & Accessories



Lenovo Professional Wireless Combo Keyboard and Mouse



NVIDIA® Quadro® P5000



ThinkVision® P24q

Lenovo ThinkStation P520c Specifications

PERFORMANCE

Processor

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

Chipset

Intel® C422

Operating System

Windows 10 Pro for Workstations⁵
Ubuntu Linux (pre-load)
Redhat Linux (certified)

Graphics

Up to NVIDIA® Quadro RTX™ 4000
or P5000

Total Memory

Up to 128GB DDR4, 2933MHz,

Memory DIMM Capacity

8 GB / 16 GB / 32 GB RDIMM
4 DIMM Slots

Total Storage

Up to 6 total drives
Max M.2 = 2 (4TB)
Max 3.5" = 4 (24TB)
Max 2.5" = 4 (8TB)

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" SAS HDD Up to 600GB

Raid

0, 1, 5, 10

Power Supply

500W 92% efficient

CONNECTIVITY

Front Ports

(2) USB 3.1 Gen 1 (Type A)*
(1) Microphone
(1) Headphone
(1) Intel® Thunderbolt™ 3³

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) eSATA2
(1) Firewire2

WLAN

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

Removable Storage

(1) 9-in-1 Media Card Reader²
(1) 15-in-1 Media Card Reader²
(1) 9.0mm Slim ODD²
(1) Front Accessible Drive Tray²

Expansion Slots

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

SOFTWARE

Windows 10 Preloads

Lenovo Vantage

DESIGN

Dimensions (WxDxH)

(mm): 175 x 426 x 376
(inches): 6.9" x 16.8" x 14.8"

Weight

Max configuration: 31.97 lb (14.5kg)

ISV CERTIFICATIONS

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

GREEN CERTIFICATIONS

ENERGY STAR® 6.1 Qualified
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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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