

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 Workstations\*  
Ubuntu Linux (pre-load)  
Redhat Linux (certified)

### Graphics

Up to 1x NVIDIA® Quadro® 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 drives<sup>1</sup>  
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)<sup>3</sup>

### Rear Ports

(4) USB 3.1 Gen 2 Rear Adapter  
(2) USB 2.0  
(2) PS/2  
(1) Rear Thunderbolt™ Adapter<sup>2</sup>  
(1) Gigabit Ethernet  
(1) Audio Line-In  
(1) Audio Line-Out  
(1) Microphone-In  
(1) eSATA<sup>2,3</sup>  
(1) Firewire<sup>2,3</sup>

### WiFi<sup>2</sup>

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 Reader<sup>5</sup>  
(1) 9.0mm Slim ODD<sup>2</sup>  
(1) Front Accessible Drive Tray<sup>2</sup>  
(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 Power2Go  
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>

<sup>1</sup> Any combination of storage to equal maximum  
storage drives

<sup>2</sup> Optional

<sup>3</sup> Optional, Available in front bay via FLEX Module

<sup>4</sup> Support via PCIe carrier

<sup>5</sup> 9-in-1 Media Card Reader standard

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

## 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.

### Priority Technical Support

Makes your priority, our priority. 24x7 priority call  
routing to advanced-level technicians, electronic  
incident tracking, and rapid response and resolution.

### 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 4 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.



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

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