ThinkStation P520c

Compared with entry-level workstations, this device is more powerful and provides better expansion capabilities. The patented cooling system supports 18-core Intel Xeon® W processors and dual NVIDIA Quadro® graphics cards using only 3 fans, which means greater reliability with less moving parts that could fail. Up to 6 storage devices are supported, which can be RAID configured to improve performance and redundancy in the event of a drive failure.

PROFESSIONAL MACHINES FOR ADVANCED USERS

REASONS TO BUY

Lenovo Performance Tuner enables users to fine-tune power management, BIOS, processor priority, graphics features and more. Save settings in software-specific profiles or use the predefined profiles created by our experts for popular applications like ANSYS, AutoDesk and Solidworks.

Certified or recommended for use with: Adobe Premiere Pro, Adobe Photoshop, Adobe After Effects

Handle statistical software, big data analysis and much more, thanks to multicore processor options, ulta-fast storage configurations and error-free ECC memory.

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

ThinkStation P520c

KEY SPECIFICATIONS

Processor	up to 155W Intel Xeon W processor
Operating System	Powered by Windows 10 Pro for Workstations
Max Graphics	up to 1x NVIDIA Quadro RTX 4000 or 2x Quadro P4000
Memory	up to 256GB (with 4x 64GB DDR4-2933 RDIMMs)
Max Storage Drives	**Internal storage:** 40TB (4x 10TB 3.5"" SATA HDD) or 8TB (4x 2TB 2.5"" SATA SSD) or 2TB (4x 500GB 2.5"" SATA HDD) or 2.4TB (4x 600GB 2.5"" SAS HDD) **M.2 SSD:** 10TB (5x 2TB M.2 PCIe NVMe SSD - 2 onboard & 3 via PCIe to M.2 adapter) *Overall storage capacity depends on mix of Internal, M.2, PCIe cards and other options installed*
Storage Types Supported	3.5"" SATA HDD 6Gb/s 7.2k RPM up to 10TB 2.5"" SATA HDD 6GB/s 7.2k RPM up to 500GB FIPS 2.5"" SAS HDD 12GB/s 10k RPM up to 600GB 2.5"" SATA SSD 6GB/s up to 2TB M.2 PCIe NVMe SSD up to 2TB RAID 0/1/10/5 supported
Storage Controllers	*HDD Controllers* Broadcom 9440-8i SATA/SAS PCIe Adapter Onboard Intel RSTe SATA *M.2 SSD Controllers* RAID 0/1 RAID 0/1/10 Upgrade RAID 0/1/10/5 Upgrade for Intel SSD
Optical	optional up to 2x DVD burner drives
Diagnostic Panel	Front 4-Digit Diagnostic LED (optional)
Power Supply	*One of the following* 500W Platinum Fixed	625W Platinum Fixed
Dimensions	Width: 175mm (6.89"") Depth: 426mm (16.77"") Height (with feet): 376mm (14.8"")
Weight	Maximum configuration: 14.5kg (31.97lb)

GREEN CERTIFICATIONS

GREENGUARD. EPEAT Silver rating. ENERGY STAR 6.1 qualified on select models. 80 PLUS Platinum (500W PSU)

CONNECTIVITY

Front I/O	2x USB 3.1 Gen 1, microphone (3.5mm), headphone (3.5mm)
Rear I/O	2x USB 2.0, 4x USB 3.1 Gen 1, 1x RJ-45, 3x analog audio ports (line-in, line-out, mic-in), 2x PS/2
Optional Front Ports	*One of the following* 1x USB-C	1x eSATA	1x eSATA + 1x USB-C	1x eSATA + 2x Thunderbolt	2x Thunderbolt	2x Thunderbolt + 1x USB-C
Optional Rear Ports	*One of the following* 1x Serial	1x Serial + 2x USB-C	2x USB-C
Optional Internal Ports	1x USB 3.0
WLAN + Bluetooth	Intel 8265 11ac, 2x2 + BT4.2

SECURITY & PRIVACY

Chassis Intrusion Switch
Access Panel Lock (optional)
Kensington lock slot
Padlock slot
TPM 2.0

MANAGEABILITY

Intel vPro with AMT 11, DASH

ISV CERTIFICATIONS

ALLPLAN, ANSYS, AVEVA Hull & AVEVA Outfitting, AVEVA PDMS, AVEVA PDMS, E3D, Hull & Outfitting, BOCAD, Adobe After Effects, Adobe Photoshop, Adobe Premiere Pro, Altair HyperWorks, Autodesk Alias, Autodesk AutoCAD, Autodesk Inventor, Autodesk Revit, Autodesk VRED, Avid Media Composer, Bentley MicroStation V8i, CONNECT Edition, LumenRT, CernerSkyVue, DS (CATIA, DELMIA, ENOVIA), DS 3DEXPERIENCE, DS ICEM Surf, DS SOLIDWORKS, Esri ArcGIS Desktop, FujiFilmSynapse, McKesson / Change Healthcare Enterprise Medical Imaging, PTC Creo, Phillips Enterprise Imaging (IntelliSpacePACS), Sectra Enterprise Imaging, Siemens NX, TcVis, Tecnomatix, Siemens PACS Solutions, Siemens Solid Edge, Vectorworks, Vital EnterpriseImaging

Recommended for this device

High-performance storage upgrades

Some ThinkStation machines can accommodate up to 14 different storage drives

Choose from ultra-fast PCIe NVMe M.2 SSD storage modules

.. or SATA 3.5" HDD drives

Keep Your Drive

Keep your drive(s) before returning a faulty device

Dispose of business data on your terms

Removes the need to track movement of sensitive data