ThinkStation P720

Smarter technology for all

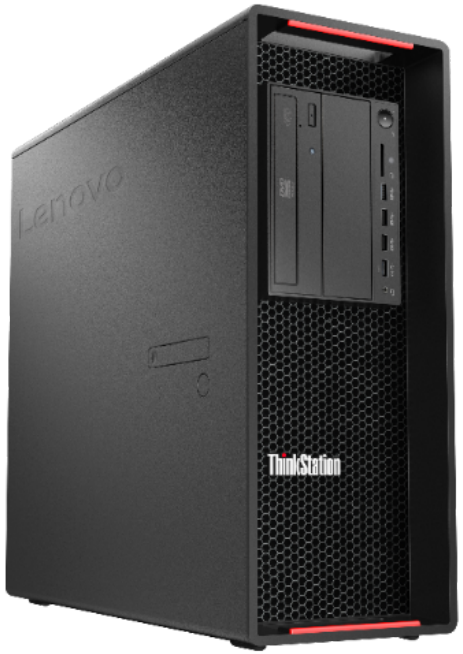
Lenovo

A dual-processor workstation supporting up to 52 cores in total, 12 memory DIMMs and three PCIe x16 slots for the most powerful graphics cards available today. Our patented Tri-Channel cooling directs airflow over key components using an air baffle inside the machine. This separates the air into 3 zones, reducing the need for additional fans, which increase the risk of system failures if they break down.

PROFESSIONAL MACHINES FOR ADVANCED USERS



Step up to a dual-processor workstation with the ThinkStation P7 Series, designed for advanced computing with large memory and storage arrays.



REASONS TO BUY

Supports up to 12 storage drives and has RAID configurations to optimize performance and provide redundancy. If using high-end processors, install up to 9x M.2 PCIe SSD storage modules.

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

Scalable multicore processing and error-free ECC memory capacity ensure that this workstation can handle even the most demanding data analysis workloads.

Updated 2021-06-08

ThinkStation P720

KEY SPECIFICATIONS

Processor	up to 2x 150W Intel Xeon Scalable processors
Operating System	Powered by Windows 10 Pro for Workstations
Max Graphics	1x GPU up to Quadro GV100 or RTX 8000, or 2x GPU up to Quadro RTX 4000, or 3x GPU up to Quadro P2000
Memory	up to 768GB (DDR4-2933 RDIMM)
Max Storage Drives	**Internal storage:** 60TB (6x 10TB 3.5"" SATA HDD) or 20TB (10x 2TB 2.5"" SATA SSD) or 5TB (10x 500GB 2.5"" SATA HDD) or 4.8TB (8x 600GB 2.5"" SAS HDD) or 3TB (2x 1.5TB U.2 PCIe SSD) **M.2 SSD:** 18TB (9x 2TB M.2 PCIe NVMe SSD - 2 onboard & 7 via PCIe to M.2 adapter) **Add-in Cards:** 960GB (2x 480GB PCIe NVMe SSD Add-in Cards) *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 2.5"" U.2 PCIe NVMe SSD up to 1.5TB M.2 PCIe NVMe SSD up to 2TB Add-in Card: PCIe NVMe SSD up to 480GB RAID 0/1/10/5/6 supported
Storage Controllers	*M.2 SSD Controllers* RAID 0/1 RAID 0/1/10 Upgrade RAID 0/1/10/5 Upgrade RAID 0/1/10/5 Upgrade for Intel SSD *HDD Controllers* Broadcom 9440-8i SATA/SAS PCIe Adapter Broadcom 9460-16i SATA/SAS PCIe Adapter Onboard Intel RSTe SATA
Optical	optional up to 2x DVD burner or Blu-ray reader drives
Diagnostic Panel	Front 4-Digit Diagnostic LED (optional)
Power Supply	*One of the following* 1000W Platinum Fixed | 690W Platinum Fixed | 900W Platinum Fixed
Dimensions	Width: 175mm (6.89"") Depth: 485mm (19.1"") Height (with feet): 446mm (17.6"")
Weight	Maximum configuration: 23.7kg (52.25lb)

GREEN CERTIFICATIONS

GREENGUARD. EPEAT Silver rating. ENERGY STAR 6.1 qualified on select models. 80 PLUS Platinum (690W & 900W PSU)

CONNECTIVITY

Front I/O	4x USB 3.1 Gen 1 (includes 1x 11W charging), 1x combo audio/microphone jack (3.5mm)
Rear I/O	2x USB 2.0, 4x USB 3.1 Gen 1, 2x 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 | 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	*One of the following* Intel 7260 11ac, 2x2 + BT4.0 | Intel 8265 11ac, 2x2 + BT4.2

SECURITY & PRIVACY

Chassis Intrusion Switch
Lock Kit with Common Key
Lock Kit with Unique Key
Access Panel Lock (optional)
Kensington lock slot
Padlock slot
TPM 2.0

MANAGEABILITY

Intel vPro with AMT 11, DASH

ISV CERTIFICATIONS

ANSYS, AVEVA PDMS, Adobe After Effects, Adobe Photoshop, Adobe Premiere Pro, Altair HyperWorks, Autodesk 3ds Max, Autodesk Alias, Autodesk AutoCAD, Autodesk Inventor, Autodesk Maya, Autodesk Revit, Autodesk VRED, Avid Media Composer, BarcoMedical Monitors, Bentley MicroStation V8i, CONNECT Edition, LumenRT, DS (CATIA, DELMIA, ENOVIA), DS 3DEXPERIENCE, DS ICEM Surf, DS SOLIDWORKS, Esri ArcGIS Desktop, FujiFilmSynapse, 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

On-site Service

If a problem can’t be fixed remotely, we will visit your location

Normally next business day service

Agreed appointment times

Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2020 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.