ThinkStation P7

This powerful entry-level workstation with a scalable architecture and equipped with Intel Xeon Series processor exceeds everyday computing experience. With up to 1TB ultrafast DDR5-4800 memory, it promises speedy upgrades and load times for data-rich files or gaming apps. Configure it to suit your business needs by selecting from a list of discrete NVIDIA graphics, optional OS including windows 11 or Red Hat Enterprise Linux, and up to 9x M.2 SSD drives.

A self-healing BIOS provides a secure backup, and restores the data and device in case of malicious ransomware attacks. TPM 2.0 encrypts data, passwords end-to-end while Kensington security slot and optional access panel lock kit protect the device physically.

Up to 9x high-speed PCIe expansion slots means countless customization options – connect a graphics card for online gaming, or a Wi-Fi network card for added functionalities.

Optional EPEAT Gold and Optional ENERGY STAR 8.0 certification means it is an energy efficient device.

Professional machines for advanced users

Lenovo services

Lenovo offers a comprehensive portfolio of end-to-end services to support and protect your investment - so you can focus on learning, not IT.

On-site Service

If a problem can't be fixed remotely, we will visit your location
Normally next business day service
Agreed appointment times

Accessories

Lenovo Essential Compact Wireless Mouse

Compact and easy to carry, weighs just under 50g (1.76oz)
Ergonomic and ambidextrous design with 3 buttons
Highly durable design, tested to last up to 8 million clicks

PN: 4Y50R20864 – (with battery) 4Y50R20865 – (w/o battery)

Lenovo Essential Wireless Keyboard & Mouse Combo

Simple design that is comfortable for all day use and tough enough to handle spills
Convenient and easy to use wireless connection
Quality typing experience with quiet key strokes and a full-size number pad

PN: 4X30M39458 - US English

ThinkStation P7

Key Specifications

Processor
Up to one Intel Xeon W-3400 Series

Operating System
Windows 11 Pro for Workstations, Windows 11 DG Windows 10 Pro 64 for Workstations, Red Hat Enterprise Linux (certified only)

Max Graphics
Supports up to three NVIDIA RTX 6000 Ada Generation

Memory
Up to 1TB, 8 DDR5 DIMM slots

Max Storage Drives
Up to 11 drives (3x 3.5" SATA HDD + 8x M.2 SSD) or 9 drives (9x M.2 SSD) • 3.5" HDD up to 12TB each
• M.2 SSD up to 4TB or 2TB each
• RAID 0/1/10/5 support for M.2 SSD
• RAID 0/1/5 support for 3.5" HDD

Storage Types Supported
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• RAID 0/1/5 support for 3.5" HDD

Storage Controllers
HDD Controllers
Broadcom MegaRAID 9560-16i RAID Controller
Onboard Intel RSTe SATA
M.2 SSD Controllers
Integrated NVMe Controller, non-RAID

Diagnostic Panel
Front Diagnostic Panel with QR code

Power Supply
One of the following
1000W Platinum Fixed | 1400W Platinum Fixed

Dimensions
175 x 508x 440.4 mm (6.9 x 20 x 17.3 inches, with feet)

Weight
24.5 kg (50.0 lbs, maximum configuration)

Green Certifications

Optional EPEAT Gold, Optional ENERGY STAR 8.0, TCO Certified 9.0, RoHS compliant

Connectivity

Front I/O
2x USB 3.2 Gen 2, Optional 2x USB-C 3.2 Gen 2, Optional 1x headphone / microphone combo jack (3.5mm)

Rear I/O
1x USB-C 3.2 Gen 2x2, 2x USB 2.0, 3x USB 3.2 Gen 2, 1x Ethernet (10GbE RJ-45), 1x Ethernet (GbE RJ-45), 1x line-in (3.5mm), Optional 1x line-out (3.5mm)1x serial, Optional 2x PS/2

Optional Front Ports
2x USB-C 3.2 Gen 2 + 2x USB 3.2 Gen 2

Optional Rear Ports
1x Serial

WLAN + Bluetooth
Intel Wi-Fi 6E AX210, 11ax 2x2 + BT5.1, vPro

Security & Privacy

Chassis Intrusion Switch
Lock Kit with Common Key
Lock Kit with Unique Key
Discrete TPM 2.0, TCG certified
Optional Access Panel Lock Kit with Common Key
Optional Access Panel Lock Kit with Unique Key
Chassis intrusion switch
Kensington Security Slot, 3 x 7 mm

Manageability

Intel vPro Enterprise with Intel AMT 16