ThinkStation P7

This powerful 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 delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..

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

Performance

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)

Graphics
Supports up to three NVIDIA RTX A5500

Chipset
Intel W790 chipset

Memory [1]
Up to 1TB, 8 DDR5 DIMM slots

[1]The max memory is based on the test results with current Lenovo memory offerings.

Storage [2]
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

[2]The storage capacity supported is based on the test results with current Lenovo storage offerings.

Design

Dimensions [3]
175 x 508x 440.4 mm (6.9 x 20 x 17.3 inches, with feet)

[3]The system dimensions may vary depending on configurations.

Weight [4]
24.5 kg (50.0 lbs, maximum configuration)

[4]The system weight is approximate and may vary depending on configurations

Connectivity

Ethernet*
Two onboard Ethernet, GbE and 10GbE
Additional Ethernet options via PCIe adapter

WLAN + Bluetooth* [5]
Up to Intel Wi-Fi 6E AX210, Bluetooth 5.1, vPro

[5]Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

Security & Privacy

Security
Discrete TPM 2.0
Access Panel Lock Kit with Common Key*
Access Panel Lock Kit with Unique Key*
Chassis intrusion switch
Kensington Security Slot, 3 x 7 mm

Manageability

System Management* [6]
Intel vPro Enterprise with Intel AMT 16.0

[6]Intel vPro offers a superset of DASH's defined capabilities.

Certifications

Green Certifications [7] [8]
EPEAT Gold Registered*
ENERGY STAR 8.0
TCO Certified 9.0
RoHS compliant

[7]The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[8]EPEAT is registered where applicable, please see https://www.epeat.net for registration status by country.