

ThinkStation P5

PERFORMANCE

Processor	Intel® Xeon® w5-2445, 10C (10P + 0E) / 20T, 3.1 / 4.6GHz, 26.25MB
Processor Sockets	1x FCLGA4677
Discrete Graphics	1x NVIDIA® RTX 4000 Ada Generation 20GB
Chipset	Intel® W790 Chipset
Memory^[1]	4x 16GB RDIMM DDR5-4800 ECC
Memory Slots	8 DDR5 DIMM slots, 4 channels capable
Max Memory^[2]	Up to 512GB (8x 64GB RDIMM)
PCIe® NVMe® Controller	Integrated NVMe® Controller, non-RAID
PCIe® NVMe® Drive	1x 2TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal
SATA Controller	Onboard Intel® RSTe SATA
SATA/SAS Drive	None
Storage Support^[3]	Up to ten drives (3x 3.5" SATA HDD + 7x M.2 SSD) • 3.5" HDD up to 12TB each • M.2 SSD up to 4TB or 2TB each (see Storage Type)
Audio Chip	High Definition (HD) Audio, Realtek® ALC897-Q codec
Power Supply	1000W Platinum Fixed

DESIGN

Keyboard	USB Traditional Keyboard, Black, English
Mouse	USB Calliope Mouse, Black

Expansion Slots	Supports 6 PCIe® slots with 2x PCIe® 5.0 slots and 4x PCIe® 4.0 slots. • Slot 1: PCIe® 5.0 x16, full height, full length, 75W, double-width, by CPU • Slot 2: PCIe® 4.0 x4, full height, full length, 25W, by PCH • Slot 3: PCIe® 5.0 x16, full height, full length, 75W, double-width, by CPU • Slot 4: PCIe® 4.0 x4, full height, full length, 25W, by PCH • Slot 5: PCIe® 4.0 x8, full height, full length, 25W, by CPU • Slot 6: PCIe® 4.0 x4, full height, full length, 25W, by PCH
Bays	Three internal disk bays plus one front access M.2 bay: • Bay 1 supports one 3.5" HDD, standard • Bay 2 supports one 3.5" HDD, standard • Bay 3 supports one 3.5" HDD, optional • Front access M.2 bay supports one M.2 SSD, optional
Dimensions (WxDxH)^[4]	165 x 453.9 x 446 mm (6.5 x 17.9 x 17.6 inches, with feet)
Weight^[5]	19 kg (41.9 lbs, maximum configuration)
CONNECTIVITY	
Onboard Ethernet	Intel® I219-LM, 1x GbE RJ-45
Optional Ethernet	None
WLAN + Bluetooth^[6]	Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.1, vPro®
Card Reader	15-in-1 Card Reader
Front Ports	1x headphone / microphone combo jack (3.5mm)
Optional Front Ports (configured)	• 2x USB-C® 3.2 Gen 2 • 2x USB 3.2 Gen 2
Rear Ports	• 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only • 2x USB-A (Hi-Speed USB / USB 2.0) • 3x USB-A (USB 10Gbps / USB 3.2 Gen 2) • 1x Ethernet (GbE RJ-45) • 1x line-in (3.5mm) • 1x line-out (3.5mm)
Optional Rear Ports (configured)	None

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

Physical Locks

• Access panel lock kit with common key

• Kensington® Security Slot™, 3 x 7 mm

Cover Lock

Lock Kit with Common Key

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management^[7]

Intel® vPro® Enterprise with Intel® AMT 16

Diagnostic

Front Diagnostic Panel with QR code

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

3Y Premier Support Upgrade from 3Y Onsite

CERTIFICATIONS

Green Certifications

• ENERGY STAR® 8.0

• EPEAT™ Gold Registered

• TCO Certified 9.0

• RoHS compliant

ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

SOFTWARE

Operating System

Windows® 11 Pro for Workstations, English

Bundled Software

None

MODEL

TopSeller

: Yes

Announce Date

: 2024-01-16

EAN / UPC / JAN

: 197530262623

End of Support

: 2031-05-03

Note:

[1] System comes with DDR5-4800 memory and some configurations will run at 4400 MT/s due to the memory support capability of processor.

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

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

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

[5] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2159?M=30GA007VUS>

Premier Support - A direct 24x7x365 line to our most elite technicians.

Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories

Lenovo USB-C to Ethernet Adapter

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39074)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86673)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

PSREF
Product Specifications
Reference