ThinkStation P5

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Xeon® w7-2475X, 20C (20P + 0E) / 40T, 2.6 / 4.8GHz, 37.5MB

Processor Sockets
1x FCLGA4677

Discrete Graphics
1x NVIDIA® RTX 4500 Ada Generation 24GB

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	: 197530261985	**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=30GA0080US

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