# ThinkStation P5

PSREF
Product Specifications Reference

## PERFORMANCE

**Processor**
Intel® Xeon® w5-2545 ,12C (12P + 0E) /24T, 3.5 / 4.7GHz, 30MB

**Processor Sockets**
1x FCLGA4677

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

**Chipset**
Intel® W790 Chipset

**Memory[1]**
4x 32GB 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 1TB 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, German

**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®**
None

**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**
Kensington® Security Slot™, 3 x 7 mm

**Cover Lock**
None

**Chassis Intrusion Switch**
Chassis Intrusion Switch

## MANAGEABILITY

**System Management[6]**
Intel® vPro® Enterprise with Intel® AMT 16

**Diagnostic**
Front Diagnostic Panel with QR code

## SERVICE

**Base Warranty**
3-year, Onsite

**Included Upgrade**
3Y Premier TS WHB (CPN)

## 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, German

**Bundled Software**
None

## MODEL

| | | | |
|---|---|---|---|
| **TopSeller** | : Yes | **Announce Date** | : 2024-10-22 |
| **EAN / UPC / JAN** | : 0198155662379 | **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=30GA009EGE

## 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 (5WS1L39074) |
| BETTER | 3Y Prermier Support Plus (5WS1L39415) |
| GOOD | 3Y Keep Your Drive (5PS0L20549) |

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

**PSREF**
**Product Specifications Reference**