

PERFORMANCE

Processor

1x Intel® Xeon® Silver 4416+ (20C / 40T, 2.0 / 3.9GHz, 37.5MB)

AI PC Category^[1]

AI-Ready Workstations

Processor Sockets

2x FCLGA4677

Discrete Graphics

1x NVIDIA® RTX 2000 Ada Generation 16GB

Chipset

Intel® C741 Chipset

Memory^[2]

2x 16GB RDIMM DDR5-4800 ECC

Memory Slots

16 DDR5 DIMM slots, 16 channels capable (8 DIMM slots with 8 channels per processor)

Max Memory^[3]

Up to 2TB (16x 128GB 3DS-RDIMMs and dual processor)

PCIe® NVMe® Controller

Integrated NVMe® Controller, non-RAID

PCIe® NVMe® Drive

1x 512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal

SATA Controller

Onboard Intel® RSTe SATA

SATA/SAS Drive

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC897-Q codec

Power Supply^[4]

1x 1850W Platinum Hot-swap

DESIGN

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse, Black

Expansion Slots

Supports up to 9 PCIe® slots with 4 PCIe® 5.0 slots and 5 PCIe® 4.0 slots, slots 1-5 require 2nd CPU installed.

- Slot 1: PCIe® 4.0 x16, full height, full length, 75W, by CPU 2
- Slot 2: PCIe® 4.0 x16, full height, full length, 75W, by CPU 2
- Slot 3: PCIe® 5.0 x16, full height, full length, 75W, by CPU 2
- Slot 4: PCIe® 5.0 x16, full height, full length, 75W, by CPU 2
- Slot 5: PCIe® 4.0 x8, full height, full length, 25W, by CPU 2
- Slot 6: PCIe® 5.0 x16, full height, full length, 75W, by CPU 1
- Slot 7: PCIe® 4.0 x16, full height, full length, 75W, by CPU 1
- Slot 8: PCIe® 5.0 x16, full height, full length, 75W, by CPU 1
- Slot 9: PCIe® 4.0 x16, full height, full length, 75W, by CPU 1

Dimensions (WxDxH)^[5]

220 x 575 x 440.4mm (8.7 x 22.6 x 17.3 inches, with feet)

Weight^[6]

35.6 kg (78.5 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet

Intel® I219-LM + Marvell AQtion AQC-113C, 2x RJ-45, GbE + 10GbE

Optional Ethernet

None

WLAN + Bluetooth®

None

Card Reader

None

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^[7]

- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x Ethernet (10GbE RJ-45)
- 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
- Front storage bay lock with common key
- Kensington® Security Slot™, 3 x 7 mm

Cover Lock

Cover Lock and Front Storage Bay Lock with Common Key

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management^[8]

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

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** : 2025-05-06

EAN / UPC / JAN : 199271000236 **End of Support** : 2031-05-24

Note:

^[1] With scalable configurations of higher-performance CPUs and professional NVIDIA RTX GPUs, in addition to advantage of the same modern AI PC technology, AI-Ready workstation power the demanding AI consumption & development workflows.

^[2] The processor determines the actual speed of the memory, thus the memory may actually work at a speed such as 5200MT/s, 4800MT/s, 4400MT/s, or lower.

^[3] The max memory is based on the test results with current Lenovo memory offerings.

^[4] Countries with input voltage under 110V, output power.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please access the [web page](#).

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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.

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- Onsite Support
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- Replaceable Unit Service
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Recommended Accessories



Lenovo USB-C to Ethernet Adapter

4X90S91831

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

GOOD

4Y Premier Support upgrade from 3Y Premier Support (5WS0W86766)

Please click [here](#) to view the full list of accessories.

Lenovo

PSREF
Product Specifications
Reference