

PERFORMANCE

Processor

Intel® Core Ultra 9 285K, 24C (8P + 16E) / 24T, Max Turbo up to 5.7GHz, 36MB Intel Smart Cache

AI PC Category^[1]

AI-Ready Workstations

Processor Sockets

1x FCLGA1851

Integrated Graphics

Integrated Intel® Graphics

Discrete Graphics

1x NVIDIA® RTX 4000 Ada Generation 20GB

Chipset

Intel® W880 Chipset

Memory

2x 32GB UDIMM DDR5-5600 Non-ECC

Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

Max Memory^[2]

Up to 256GB (4x 64GB DDR5 CUDIMM)

PCIe NVMe Controller

Integrated NVMe® Controller

PCIe NVMe Drive

1x 1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal

SATA Controller

Onboard Intel® RSTe SATA RAID

SATA/SAS Drive

None

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC623-CG codec

Power Supply

750W Platinum Fixed

DESIGN

Keyboard

USB, Calliope, Black, German

Mouse

USB Calliope Mouse, Black

Dimensions (WxDxH)^[3]

180 x 370 x 415 mm (7.09 x 14.57 x 16.34 inches)

Weight^[4]

14.38 kg (31.70 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet

Intel® I219-LM, 1x GbE RJ-45

Optional Ethernet

None

WLAN + Bluetooth

None

Card Reader

SD Card Reader

Front Ports

- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

Optional Front Ports (configured)

1x SD card reader

Rear Ports

- 2x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one supports Smart Power On
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort™ 1.4
- 1x Ethernet (GbE RJ-45)
- 1x line-out (3.5mm)

Optional Rear Ports (configured)

1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2)

SECURITY & PRIVACY

Security Chip

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

Physical Locks

- Kensington® Security Slot™, 3 x 7 mm
- Padlock Loop

Cover Lock

None

Cable Lock

No Cable

Chassis Intrusion Switch

None

MANAGEABILITY

System Management

Intel® vPro® Enterprise with Intel AMT 16

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

1Y Premier Support from 3Y Onsite Windchill bundles (CPN)

CERTIFICATIONS

ISV Certifications

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

Mil-Spec Test

MIL-STD-810H military test passed

SOFTWARE

Operating System

Windows® 11 Pro, German

Bundled Software

Lenovo® AI Now

MODEL

TopSeller : Yes

EAN / UPC / JAN: 0198158857802

Announce Date: 2025-04-17

End of Support : 2033-05-17



Product image is a sample, it may not match the real color of this model
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 max memory is based on the test results with current Lenovo memory offerings.

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

[4] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

· Lenovo reserves the right to change specifications without notice.

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



ThinkStation USB4 Dual Port PCIe Card
4XH1U58035



Lenovo Legion M220 Wireless RGB Gaming Mouse
GY51U28359

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

Recommended Services

BEST	5Y Premier Support upgrade from 1Y Premier Support (5WS1F52293)
BETTER	3Y Premier Support upgrade from 1Y Premier Support (5WS1B61706)
GOOD	2Y Premier Support upgrade from 1Y Premier Support (5WS1B61703)

Lenovo

PSREF
Product Specifications
Reference