

## PERFORMANCE

### Processor

Intel® Core™ Ultra 9 285, 24C (8P + 16E) / 24T, Max Turbo up to 5.6GHz, 36MB Intel® Smart Cache

### AI PC Category<sup>[1]</sup>

AI-Ready Workstations

### Processor Sockets

1x FCLGA1851

### Integrated Graphics

Integrated Intel® Graphics

### Discrete Graphics

1x NVIDIA® RTX 2000 Ada Generation 16GB

### Chipset

Intel® W880 Chipset

### Memory

4x 32GB UDIMM DDR5-5600 Non-ECC

### Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

### Max Memory<sup>[2]</sup>

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

9.0mm DVD±RW

### Audio Chip

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

### Power Supply

750W Platinum Fixed

## DESIGN

### Keyboard

USB Traditional Keyboard, Black, English

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

Supports four PCIe® slots with one PCIe® 5.0 x16, one PCIe® 4.0 x16 and two PCIe® 3.0 x1.

- Slot 1: PCIe® 5.0 x16, full height, full length, 75W, double-width
- Slot 2: PCIe® 3.0 x1, full height, half length, 25W, open-ended
- Slot 3: PCIe® 4.0 x16 (x4 lanes), full height, half length, 25W
- Slot 4: PCIe® 3.0 x1, full height, half length, 25W, open-ended

### Dimensions (WxDxH)<sup>[3]</sup>

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

### Weight<sup>[4]</sup>

14.38 kg (31.70 lbs, maximum configuration)

## CONNECTIVITY

### Onboard Ethernet

Intel® I219-LM, 1x GbE RJ-45

### Optional Ethernet

None

### WLAN + Bluetooth®

Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.4, vPro®

### 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<sup>[5]</sup>

- 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 (RJ-45)
- 1x line-out (3.5mm)

### Optional Rear Ports (configured)

1x DP (Flex IO)

## 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

1-year, Onsite

### Included Upgrade

None

## 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, English (US) / English (UK)

### Bundled Software

None

## MODEL

**TopSeller** : Yes **Announce Date** : 2025-05-22

**EAN / UPC / JAN** : 199271097755 **End of Support** : 2033-05-17

### Note:

<sup>[1]</sup> 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.

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

<sup>[3]</sup> The system dimensions may vary depending on configurations.

<sup>[4]</sup> 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.

<sup>[5]</sup> For video ports on discrete graphics, please see.....

· Lenovo reserves the right to change specifications without notice.

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

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



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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.

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

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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.



### Lenovo Professional Wireless Combo Keyboard & Mouse (US English)

4X30H56796

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

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



**PSREF**  
Product Specifications  
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