

PERFORMANCE

Processor

Intel® Core™ Ultra 9 285K, 24C (8P + 16E) / 24T, Max Turbo up to 5.6GHz, 40MB

AI PC Category^[1]

AI-Powered Gaming PC

NPU

Integrated Intel® AI Boost, up to 13 TOPS

Graphics^[2]

NVIDIA® GeForce RTX™ 5080 16GB GDDR7

Chipset

Intel® Z890 Chipset

Memory^[3]

2x 32GB UDIMM DDR5-5600

Memory Slots

Four DDR5 UDIMM/CUDIMM slots, dual-channel capable

Max Memory^[4]

Up to 128GB DDR5-5600

Storage

2TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Max Storage Support^[5]

Up to six drives, 2x 3.5" HDD + 4x M.2 SSD

- 3.5" HDD up to 2TB
- M.2 SSD up to 2TB

Card Reader

None

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC1220 codec

Speakers

No speakers

Power Supply

1200W 90%

DESIGN

Keyboard

None

Mouse

None

Expansion Slots

- One PCIe® 5.0 x16
- One PCIe® 4.0 x16 (x4 signal)
- One PCIe® 3.0 x1
- Five M.2 slots (one for WLAN, four for SSDs)

Case Color

Storm Grey

System Lighting

Legion Lighting + Internal Ambient Lighting

Chassis

Inner Decorate Cover + Transparent Cover

Cooler

3x 120MM with RGB Light + PCH Heatsink + VRM Heatsink

System Fan

1x Rear + 2x Top with ARGB

Form Factor

Tower (34L)

Dimensions (WxDxH)

211 x 446 x 489.93 mm (8.3 x 17.55 x 19.28 inches)

Weight^[6]

Around 18 kg (39.68 lbs)

CONNECTIVITY

WLAN + Bluetooth®

Wi-Fi® 7, 802.11be 2x2 + BT5.4

WWAN

Non-WWAN

Ethernet

2.5GbE RTL8125BG

Top Ports

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports^{[7][8][9]}

- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.1 and DisplayPort™ 2.1
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x DisplayPort™ 1.4
- 1x Ethernet (2.5GbE RJ-45)
- 1x Power connector
- 6x Audio connectors

SECURITY & PRIVACY

Security Chip

Firmware TPM 2.0 integrated in chipset

SERVICE

Base Warranty

2-year, Courier or Carry-in

Included Upgrade

3Y Premium Care with Onsite upgrade from 2Y Courier/Carry-in

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant
- None

SOFTWARE

Operating System

None

Bundled Software

None

MODEL

TopSeller	: No	Announce Date	: 2025-04-14
EAN / UPC / JAN	: 198158972680	End of Support	: 2030-11-25



Product image is a sample, it may not match the real color of this model

Note:

[1] AI-Powered Gaming PCs feature Lenovo AI Engine+ and NVIDIA GeForce RTX GPUs to handle AI-driven tasks and deliver exceptional gaming performance.

[2] The information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).

[3] Installed memory is actually DDR5-6400 but may run as DDR5-5600 or less depending on the memory support capability of Intel.

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

[5] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

[6] 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 access the [web page](#).

Premium Care - Advanced Support from Real People. Real Fast.



REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.



REAL FAST

Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.



HASSLE FREE

'Getting started' and 'how-to' assistance for hardware and software. Easy solutions that are simple to reach - that's how Premium Care delivers you the ideal support experience.



PC HEALTH CHECK

Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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
Reference