

PERFORMANCE

Processor

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

AI PC Category

AI-Powered Gaming PC^[1]

NPU

Integrated Intel® AI Boost, up to 13 TOPS

Graphics^[2]

NVIDIA® GeForce RTX™ 5080 16GB GDDR7

Chipset

Intel® Z890 Chipset

Memory^[3]

2x 16GB 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

No Card Reader

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC1220 codec

Speakers

No speakers

Power Supply

850W 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 liquid cooler with ARGB Light + PCH Heatsink + VRM Heatsink

System Fan

1x Rear with ARGB + 2x Top with ARGB + 3x Front ARGB (Include in liquid cooler module)

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® 6E, 802.11ax 2x2 + BT5.3

WWAN

WWAN Not Supported

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]

- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.1 and DisplayPort™ 2.1^[8]
- 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^[9]
- 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

<= 3 Months Premium Care

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

SOFTWARE

Operating System

Windows® 11 Home, Benelux (EN/FR/DE/NL)

Bundled Software

None

MODEL

TopSeller : No

EAN / UPC / JAN: 198158353090

Announce Date: 2025-03-13

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 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.

[7] For video ports on discrete graphics, please see [graphics section](#)

[8] For some models, this connector does not support display function.

[9] DisplayPort out connector are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).

- Please refer to the official [Lenovo store website](#) or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.

- Lenovo reserves the right to change specifications without notice.

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- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Lenovo 350 Bluetooth Silent Mouse (Fan Edition - Brazil) GY51U71760



Lenovo Analog In-Ear Headphones Gen II Bulk Package (20pcs) 4XD1T54899



Lenovo PS8S Portable SSD 4TB 4XB1T91892

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

Lenovo

PSREF

Product Specifications
Reference