

Legion T7 34IAS10 90Y80000US

Lenovo

PSREF
Product Specifications
Reference

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™ 5090 32GB 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

USB Calliope Keyboard, Black, English

Mouse

USB Calliope Mouse, Black

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

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

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

1-year, Mail-in

Included Upgrade

None

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

SOFTWARE

Operating System

Windows® 11 Pro, English

Bundled Software

None

MODEL

TopSeller : No

Announce Date : 2025-06-27

EAN / UPC / JAN : 198157723016

End of Support : 2031-06-23



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.

• California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

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

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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

BEST	3Y Premium Care Plus upgrade from 1Y Courier/Carry-in (5WS1J38565)
BETTER	3Y Premium Care with Onsite upgrade from 1Y Courier/Carry-in (5WS0T73716)
GOOD	3Y Onsite upgrade from 1Y Mail-in delivery (5WS0K85970)

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



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