

PERFORMANCE

Processor
 Intel® Core™ i9-14900HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.8GHz, E-core 1.6 / 4.1GHz, 36MB

AI PC Category
 AI-Powered Gaming PC

Graphics
 NVIDIA® GeForce RTX™ 4080 12GB GDDR6, Boost Clock 2280MHz, TGP 175W, 542 AI TOPS

Chipset
 Intel® HM770 Chipset

Memory^[1]
 2x 32GB SO-DIMM DDR5-5600 (Overclock)

Memory Slots
 Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^{[2][3]}
 Up to 64GB DDR5-5600 (overclock) offering

Storage
 1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Support^[4]
 Up to two drives, 2x M.2 SSD
 • M.2 2280 SSD up to 2TB

Storage Slot
 Two M.2 2280 PCIe® 4.0 x4 slots

RAID Preset
 None

Card Reader
 SD Card Reader

Optical
 None

Audio Chip
 High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers
 Stereo speakers (super linear speaker), 2W x2, audio by HARMAN, optimized with Nahimic Audio, Smart Amplifier (AMP)

Camera
 FHD 1080p with E-shutter

Microphone
 2x, Array

Battery
 Integrated 99.9Wh

Power Adapter
 330W Slim Tip Tiny GaN (3-pin) + 140W USB-C® Slim (3-pin)

Special Features

- AI Chip: LA3-P
- Hybrid thermal solution (liquid cooling + air cooling + liquid metal)

DESIGN

Display
 16" 3.2K (3200x2000) Mini LED 1200nits Anti-glare, 100% DCI-P3, 100% Adobe® RGB, 100% sRGB, 165Hz, DisplayHDR™ 1000, Dolby Vision®, G-SYNC®, Low Blue Light

Touchscreen
 None

Color Calibration
 None

Keyboard
 Per-key RGB Backlit (with Lighting Lens), Belgian

Touchpad
 Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 58 x 120 mm (2.28 x 4.72 inches)

Case Color
 Carbon Black

Surface Treatment
 Forged Carbon (Soft Painted)

Case Material
 Aluminium (Top), Magnesium-aluminium (Bottom)

Pen
 Pen Not Supported

Dimensions (WxDxH)^[5]
 357.7 x 277.7 x 18.9-22.7 mm (14.08 x 10.93 x 0.74-0.89 inches)

Weight^[6]
 Around 2.6 kg (5.73 lbs)

SOFTWARE

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

Bundled Software
 Office Trial

CONNECTIVITY

Ethernet
 2.5GbE (RJ-45)

WLAN + Bluetooth^[7]
 Intel® Killer Wi-Fi® 6E AX1675i, 802.11ax 2x2 + BT5.3

WWAN
 Non-WWAN

Standard Ports

- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (2.5GbE RJ-45)
- 1x Card reader
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), data transfer only
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with PD 140W and DisplayPort™ 1.4
- 1x Power connector

SECURITY & PRIVACY

Security Chip
 Firmware TPM 2.0 Enabled

Fingerprint Reader
 Touch Style, Integrated in Power Button

Other Security
 E-shutter

SERVICE

Base Warranty
 2-year, Courier or Carry-in

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

ACCESSORIES

Bundled Accessories^[8]
 8 Switchable Keycaps and Easy Tool

CERTIFICATIONS

Green Certifications

- Carbon Neutral Certified
- ErP Lot 3
- RoHS compliant

Other Certifications

- TÜV Rheinland® Low Blue Light (Hardware Solution)
- UL Solutions - Gaming Performance and Comfort (GOLD)

MODEL

TopSeller	: No	Announce Date	: 2024-11-06
EAN / UPC / JAN	: 198155959257	End of Support	: 2030-01-04

Note:
^[1] Based on Intel normal specification, 2x 32GB memory.....
 · Lenovo reserves the right to change specifications without notice.
 To see more note information, please link to <https://psref.lenovo.com/Detail/2385?M=83G0005HMB>

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



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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.

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Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

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

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Recommended Accessories



Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

Recommended Services

BEST	4Y Premium Care upgrade from 2Y Premium Care (5WS1C83325)
BETTER	3Y Premium Care upgrade from 2Y Premium Care (5WS1C83323)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>



PSREF
Product Specifications
Reference