

PERFORMANCE

Processor

Intel® Core™ i9-13980HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.6GHz, E-core 1.6 / 4.0GHz, 36MB

Graphics

NVIDIA® GeForce RTX™ 4090 16GB GDDR6, Boost Clock 2040MHz, TGP 175W

Chipset

Intel® HM770 Chipset

Memory

2x 32GB SO-DIMM DDR5-5600 (Overclock)

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^{[1][2]}

Up to 64GB DDR5-5600 (overclock) offering

Storage

2TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Support^[3]

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: LA2
- 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, German

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 + Forge Carbon (Top), Magnesium-aluminium (Bottom)

Dimensions (WxDxH)^[4]

357.7 x 277.7 x 18.9 mm (14.08 x 10.93 x 0.74 inches)

Weight^[5]

Around 2.56 kg (5.64 lbs)

SOFTWARE

Operating System

Windows® 11 Home, German

Bundled Software

Office Trial

CONNECTIVITY

Ethernet

2.5GbE (RJ-45)

WLAN + Bluetooth^[6]

Intel® Killer Wi-Fi® 6E AX1675i, 11ax 2x2 + BT5.3

Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 1 (support data transfer only)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Lenovo® Power Delivery 140W and DisplayPort™ 1.4)
- 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 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

3Y Premium Care with Onsite upgrade from 2Y Courier/Carry-in, CO2 Offset 1 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

Bundled Accessories^[7]

8 Switchable Keycaps and Easy Tool

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

Other Certifications

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

MODEL

TopSeller	: Yes	Announce Date	: 2023-09-01
EAN / UPC / JAN	: 197528231624	End of Support	: 2029-08-31

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2332?M=83AG0009GE>

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 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...



Lenovo USB-C 7-in-1 Hub

4X90V55523

Travel - Ready Productivity. One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo USB-C 7-in-1 Hub fits unlimited productivity i...

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

Lenovo

PSREF
Product Specifications
Reference