

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**<sup>[1]</sup>  
 AI-Powered Gaming PC

**Graphics**  
 NVIDIA® GeForce RTX™ 4090 16GB GDDR6, Boost Clock 2040MHz, TGP 175W, 686 AI TOPS

**Chipset**  
 Intel® HM770 Chipset

**Memory**<sup>[2]</sup>  
 2x 32GB SO-DIMM DDR5-5600 (Overclock)

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

**Max Memory**<sup>[3][4]</sup>  
 Up to 64GB DDR5-5600 (overclock) offering

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

**Max Storage Support**<sup>[5]</sup>  
 Up to two drives, 2x M.2 SSD  
 • M.2 2280 SSD up to 2TB each

**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**  
 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), Spanish (LA)

**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)**<sup>[6]</sup>  
 357.7 x 277.7 x 18.9-22.7 mm (14.08 x 10.93 x 0.74-0.89 inches)

**Weight**<sup>[7]</sup>  
 Around 2.6 kg (5.73 lbs)

SOFTWARE

**Operating System**  
 Windows® 11 Home Single Language, Spanish

**Bundled Software**  
 Office Trial

CONNECTIVITY

**WLAN + Bluetooth®**  
 Intel® Killer™ Wi-Fi® 6E AX1675i, 802.11ax 2x2 + BT5.3

**WWAN**  
 Non-WWAN

**Ethernet**  
 2.5GbE (RJ-45)

Standard Ports

- 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 Lenovo® PD 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**  
 1-year, Courier or Carry-in

**Included Upgrade**  
 None

ACCESSORIES

**Bundled Accessories**  
 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** : 2024-01-20
 **EAN / UPC / JAN** : 197530706042 **End of Support** : 2030-01-04

· Lenovo reserves the right to change specifications without notice.  
 To see more note information, please access the [web page](#).

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

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- Onsite Support
- Technician Installed Customer
- 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...



### 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.

**Lenovo**

**PSREF**  
Product Specifications  
Reference