



PERFORMANCE

**Processor**  
Intel® Core i5-13420H, 8C (4P + 4E) / 12T, P-core up to 4.6GHz, E-core up to 3.4GHz, 12MB

**AI PC Category**  
Non-AI PC

**NPU**  
None

**Graphics**  
Integrated Intel® UHD Graphics

**Chipset**  
Intel® SoC Platform

**Memory**  
1x 16GB SODIMM DDR5-5200<sup>[1]</sup>

**Memory Slots**  
Two DDR5 SODIMM slots, dual-channel capable

**Max Memory**<sup>[2]</sup>  
Up to 64GB DDR5-5200

**Storage**  
512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®

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

**Max Storage Support**<sup>[3]</sup>  
Up to two drives, 2x M.2 SSD • M.2 2280 SSD up to 2TB each

**Card Reader**  
SD Card Reader

**Audio Chip**  
High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**  
Stereo speakers, 2W x2, Dolby Audio™

**Microphone**  
2x, Array

**Camera**  
FHD 1080p + IR Hybrid with Privacy Shutter

**Battery**  
45Wh

**Power Adapter**  
65W USB-C® (3-pin)

**Special Features**  
Modern Standby

DESIGN

**Display**  
16'' WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC, 60Hz<sup>[4]</sup>

**Touchscreen**  
None

**Screen-to-Body Ratio**  
90%

**Color Calibration**  
None

**Pen**  
Pen Not Supported

**Keyboard**  
Backlit, Belgian

**Touchpad**  
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

**Dimensions (WxDxH)**<sup>[5]</sup>  
356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)

**Weight**<sup>[6]</sup>  
Starting at 1.7 kg (3.75 lbs)

**Case Color**  
Arctic Grey

**Case Material**  
Aluminium (Top), PC-ABS (Bottom)

**Surface Treatment**  
Anodizing Sandblasting (Top), Texture (Bottom)

**SOFTWARE**

**Operating System**  
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

**Bundled Software**  
Office Trial

CONNECTIVITY

**WLAN + Bluetooth**  
Wi-Fi® 6E, 802.11ax 2x2 + BT5.3<sup>[7]</sup>

**WWAN**  
Non-WWAN

**Ethernet**  
100/1000M (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 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x SD card reader

Docking

Various docking solutions supported via Thunderbolt™ or USB-C®. For more compatible docking solutions, please visit [Docking for ThinkBook® 16 G8 IRL](#)

SECURITY & PRIVACY

**Security Chip**  
Firmware TPM 2.0 Enabled

**Physical Locks**  
Kensington® Nano Security Slot, 2.5 x 6 mm

**Fingerprint Reader**  
Touch Style, Integrated in Power Button

**Other Security**

- Camera privacy shutter
- IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

**System Management**  
Non-vPro®

**SERVICE**

**Base Warranty**  
1-year, Courier or Carry-in

**Included Upgrade**  
2Y Depot Upgrade From 1Y Depot WHB(CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

CERTIFICATIONS

**Green Certifications**

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered<sup>[8]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified, generation 10

**Mil-Spec Test**  
MIL-STD-810H military test passed

**Other Certifications**  
TÜV Rheinland® Low Blue Light (Software Solution)

MODEL

**TopSeller** : Yes **EAN / UPC / JAN:** 198157416161  
**Announce Date:** 2025-04-01 **End of Support** : 2031-06-18  
· Lenovo reserves the right to change specifications without notice. To see more note information, please access the [web page](#).

Premier Support - A direct 24x7x365 line to our most elite technicians.

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Advanced technical support, 24x7x365, in more than 100 markets
- 

Technical Account Managers for proactive relationship and escalation management
- 

Comprehensive hardware & OEM software support
- 

Priority on service delivery and repair parts
- 

Single point of contact for simplified end-to-end case management
- 

Lenovo Service Connect Portal for customized reporting and product support

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 Wired VoIP Headset 5000  
4XD1R88995



Lenovo Essential Wireless Combo Keyboard & Mouse Gen2 Black Belgium English  
4X31R64457

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

Recommended Services

BEST	4Y Premier Support upgrade from 2Y Depot/CCI (5WS0W86619)
BETTER	3Y Premier Support upgrade from 2Y Depot/CCI (5WS0W86701)
GOOD	3Y Onsite upgrade from 2Y Depot/CCI (5WS0W86640)



PSREF  
Product Specifications  
Reference