



PERFORMANCE

Processor
Intel® Core i5-13420H, 8C (4P + 4E) / 12T, P-core up to 4.6GHz, E-core up to 3.4GHz, 12MB Intel Smart Cache
AI PC Category
Non-AI PC
NPU
None
Graphics
Integrated Intel® UHD Graphics
Chipset
Intel® SoC Platform
Memory
1x 16GB SODIMM DDR5-5200 ^[1]
Memory Slots
Two DDR5 SODIMM slots, dual-channel capable
Max Memory ^[2]
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 ^[3]
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 ^[4]
Touchscreen
None

Screen-to-Body Ratio
90%
Color Calibration
None
Pen
Pen Not Supported
Keyboard
Backlit, English (EU)
Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)
Dimensions (WxDxH) ^[5]
356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)
Weight ^[6]
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
WWAN
WWAN Not Supported
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 45-65W and DisplayPort™ 1.4
• 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 45-65W 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 ^[7]
• 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: 198157416154
Announce Date:	2025-04-01	End of Support : 2031-06-18
• Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.		
• 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.



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	3Y Premier Support upgrade from 2Y Depot/CCI (5WS0W86701)
BETTER	3Y Onsite upgrade from 2Y Depot/CCI (5WS0W86640)
GOOD	3Y Depot/CCI upgrade from 2Y Depot/CCI (5WS0W86632)



PSREF
Product Specifications
Reference