

PERFORMANCE

Processor

Intel® Core™ i5-13420H, 8C (4P + 4E) / 12T, P-core 2.1 / 4.6GHz, E-core 1.5 / 3.4GHz, 12MB

AI PC Category

Non-AI PC

NPU

None

Graphics

Integrated Intel® UHD Graphics

Chipset

Intel® SoC Platform

Memory^[1]

1x 16GB SO-DIMM DDR5-5200

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[2]

Up to 64GB DDR5-5200

Storage

512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®

Max Storage Support^[3]

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

Card Reader

SD Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, Dolby Audio™

Camera

FHD 1080p + IR Hybrid with Privacy Shutter

Microphone

2x, Array

Battery

45Wh

Power Adapter

65W USB-C® (3-pin)

Special Features

Modern Standby

DESIGN

Display^[4]

16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC, 60Hz

Touchscreen

None

Color Calibration

None

Keyboard

Backlit, Russian

Touchpad

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

Case Color

Arctic Grey

Surface Treatment

Anodizing Sandblasting (Top), Texture (Bottom)

Case Material

Aluminium (Top), PC-ABS (Bottom)

Pen

Pen Not Supported

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)

SOFTWARE

Operating System

None

Bundled Software

None

CONNECTIVITY

WLAN + Bluetooth^[7]

Wi-Fi® 6E, 802.11ax 2x2 + BT5.3

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

Fingerprint Reader

Touch Style, Integrated in Power Button

Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

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

None

ACCESSORIES

Bundled Accessories

None

CERTIFICATIONS

Green Certifications

- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

Other Certifications

TÜV Rheinland® Low Blue Light (Software Solution)

Mil-Spec Test

MIL-STD-810H military test passed

MODEL

TopSeller	: Yes	Announce Date	: 2025-03-25
EAN / UPC / JAN	: 198158971706	End of Support	: 2031-06-18

Note:

^[1] The memory installed on the model with Intel Core 3 100U or Intel Core i5-13420H is actually DDR5-5600 but runs as DDR5-5200 due to platform limitation.

^[2] The max memory is based on the technical readiness of the system. Available memory to sell would vary.

^[3] The system supports dual SSD via two M.2 slots, but.....

· 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



ThinkPad Universal USB-C Dock

40AY0090US

THE SMARTER WAY TO WORK Introducing the ThinkPad Universal USB-C Dock. This advanced, universally compatible one-cable docking solution lets you work smarter, not harder. It comes with a vast array of ports, next-gen ...



ThinkPad Thunderbolt 4 Workstation Dock - US

40B00300US

Premium Thunderbolt™ 4 Docking Experience: ThinkPad Thunderbolt 4 Workstation Dock delivers reliable and consistent industry leading video, data and power connectivity; Maximize Your Productivity: Expand your horizon...

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

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PSREF
Product Specifications
Reference