

## PERFORMANCE

### Processor

Intel® Core™ i5-13500H, 12C (4P + 8E) / 16T, P-core 2.6 / 4.7GHz, E-core 1.9 / 3.5GHz, 18MB

### Graphics

NVIDIA® GeForce RTX™ 4050 6GB GDDR6

### Chipset

Intel SoC Platform

### Memory

2x 8GB SO-DIMM DDR5-5200

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Max Memory<sup>[1]</sup>

Up to 32GB DDR5-5200 offering

### Storage

512GB SSD M.2 2280 PCIe® 4.0x4 NVMe®

### Storage Support<sup>[2][3]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 1TB

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe 4.0 x4 slot
- One M.2 2280 PCIe 4.0 x4 slot

### Card Reader

SD Express 7.0 Card Reader

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306-CG codec

### Speakers

Stereo speakers, 2W x2 woofers and 2W x2 tweeters, Dolby® Atmos®, sound by harman/kardon, Smart Amplifier (AMP)

### Camera

FHD 1080p + IR Hybrid with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 80Wh

### Power Adapter

230W Slim Tip (3-pin)

### Special Features

AI Chip: LA2-Q

## DESIGN

### Display<sup>[4]</sup>

16" WQXGA (2560x1600) IPS 400nits Anti-glare, 100% sRGB, 60Hz, Dolby Vision™

### Color Calibration

Factory Color Calibration

### Keyboard

Backlit, English

### Case Color

Storm Grey

### Surface Treatment

Anodizing Sandblasting

### Case Material

Aluminium (Top), Aluminium (Bottom)

### Dimensions (WxDxH)<sup>[5]</sup>

354.6 x 255 x 19.9 mm (13.96 x 10.04 x 0.78 inches)

### Weight<sup>[6]</sup>

Around 2.2 kg (4.85 lbs)

## SOFTWARE

### Operating System

Windows® 11 Pro, Polish

### Bundled Software

Office Trial

## CONNECTIVITY

### Ethernet<sup>[7]</sup>

No Onboard Ethernet

### WLAN + Bluetooth<sup>[8][9]</sup>

Wi-Fi® 6E, 11ax 2x2 + BT5.1

### Standard Ports

- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector
- 1x SD card reader
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 2x USB 3.2 Gen 2

### Docking

Various docking solutions supported via Thunderbolt or USB-C.

For more compatible docking solutions, please visit [Docking for ThinkBook 16p G4 IRH](#)

## SECURITY & PRIVACY

### Security Chip

Firmware TPM 2.0 Enabled

### Fingerprint Reader

Touch Style, Match-on-Chip, 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

## SERVICE

### Base Warranty

1-year, Courier or Carry-in

### Included Upgrade

1Y Premier WHB (CPN), 3Y Onsite WHB (CPN)

## CERTIFICATIONS

### Green Certifications<sup>[10]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 26
- ErP Lot 6
- FSC certified package
- RoHS compliant
- TCO Certified 9.0
- Volatile Organic Compound Certification

### Other Certifications

- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light (Hardware Solution)

### Mil-Spec Test

MIL-STD-810H military test passed

## MODEL

**TopSeller** : Yes **Announce Date** : 2023-04-14

**EAN / UPC / JAN** : 197529628911 **End of Support** : 2029-11-14

### Note:

<sup>[1]</sup> The max memory is based on the test results with current Lenovo memory offerings.

<sup>[2]</sup> The storage capacity supported is based on the test results with current Lenovo storage offerings.

<sup>[3]</sup> The system supports dual SSD via two M.2 slots, but Lenovo only offers one SSD configuration, another SSD slot for user self-extension.

<sup>[4]</sup> IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

<sup>[5]</sup> The system dimensions may vary depending on configurations.

<sup>[6]</sup> The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

<sup>[7]</sup> Ethernet support via optional Lenovo USB-C to Ethernet Adapter.

<sup>[8]</sup> Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

<sup>[9]</sup> Wi-Fi 6E full features might be limited by country-level.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2221?M=21J8001VPB>

## 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 Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

The ThinkPad Hybrid USB-C with USB-A dock is a productivity solution for any USB-C or USB-A laptop, including non-Lenovo laptops from Dell, HP, and Apple, providing power, display, and port expansion in any mixed OS e...

## Recommended Services

BETTER

3Y Premier Support upgrade from 1Y Premier Support (5WS1B38519)

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

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PSREF  
Product Specifications  
Reference