

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^[1]

Up to 32GB DDR5-5200 offering

Storage

512GB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Support^{[2][3]}

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^[4]

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

Color Calibration

Factory Color Calibration

Keyboard

Backlit, Spanish

Case Color

Storm Grey

Surface Treatment

Anodizing Sandblasting

Case Material

Aluminium (Top), Aluminium (Bottom)

Dimensions (WxDxH)^[5]

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

Weight^[6]

Around 2.2 kg (4.85 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, Spanish

Bundled Software

Office Trial

CONNECTIVITY

Ethernet^[7]

No Onboard Ethernet

WLAN + Bluetooth^{[8][9]}

Wi-Fi® 6E, 11ax 2x2 + BT5.1

Standard Ports

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

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)

CERTIFICATIONS

Green Certifications^[10]

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

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** : 2023-05-04

EAN / UPC / JAN : 196804657233 **End of Support** : 2029-11-14

Note:

^[1] The max memory is based on the test results with current Lenovo memory offerings. The system may support more memory as the technology develops.

^[2] The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

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

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

^[5] The system dimensions may vary depending on configurations.

^[6] 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.

^[7] Ethernet support via optional Lenovo USB-C to Ethernet

Adapter.

[8] Bluetooth 5.2 is hardware ready but may run at a lower.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2221?M=21J8000ASP>

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 expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...

Recommended Services

BEST	3Y Premier Support Plus upgrade from 1Y Premier Support (5WS1L39550)
BETTER	3Y Lenovo Protect (Premier Support + ADP + KYD + International Upg) (5PS1J31180)
GOOD	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