

ThinkBook 16p G4 IRH

Professionals who travel frequently can also stay productive from anywhere on this 16" notebook. With the latest 13th Generation Intel Core processors, Intel UHD Graphics or Intel Iris Xe Graphics, and discrete NVIDIA GeForce RTX graphics, it delivers next-level computing speed and performance – means users can multitask or open data-heavy files at a blazing fast speed on-the-go. Stay connected with optimum speed with Wi-Fi 6 connectivity.



The 16" IPS display with up to 430 nits brightness ensures the images are detailed and everything on the screen is of the highest quality. Attend calls with superior sound quality without any background noise, thanks to the AI-based noise-canceling microphones with Dolby Audio stereo speakers.

Equipped with a range of ports, such as Thunderbolt 4 port for ultra-fast transfer of large files. Connect up to 3 external monitors and other peripherals through onboard HDMI and USB-C ports.

Minimal preloaded applications mean maximum battery life and responsiveness for users, and faster deployment for IT admins.

Lenovo devices that are a class apart

ThinkBook combines the style and user experience of consumer devices with the security and business-class support of ThinkPad.

Lenovo services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



Return To Depot Repair Warranty

No-hassle repair process at a Lenovo service center
 Lenovo pays for all shipping between the customer and service facility
 Avoid unplanned operational expense with a simple annual fee

Accessories

ThinkBook Wireless Mouse

6-button wireless mouse with DPI adjustment:
 2400, 1600, 100
 2-level scroll wheel speed adjustment and
 dedicated volume controls
 Ergonomic right-handed design with thumb rest



PN: 4Y50V81591

ThinkBook Bluetooth Silent Mouse

Bluetooth mouse with silent buttons for noise-free
 operation
 Low-profile design suitable for both right-handed
 and left-handed users
 4 buttons, 2-way scrolling with easy DPI
 adjustment: 2400, 1600, 800



PN: 4Y50X88824

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Performance

Processor

13th Gen Intel H Series Core i5/ i7 / i9

Operating System

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language

Graphics

NVIDIA GeForce RTX 4050
NVIDIA GeForce RTX 4060

Memory ¹

Up to 32GB DDR5-5200 offering, 2x SO-DIMM

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

Storage ²

Up to two M.2 PCIe NVMe SSD
M.2 2280 SSD up to 1TB

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

Audio

High Definition (HD) Audio
2W x2 woofers and 2W x2 tweeters, Dolby Atmos, sound by harman/kardon
Dual-microphone array with noise-cancelling

Camera

FHD 1080p + IR hybrid, with privacy shutter

Battery ³

80Wh (up to 10.5 hr) battery
Rapid Charge Pro

³Battery life claims are approximate maximum. Actual result will vary depending on many factors and the maximum battery capacity will decrease with time and use.

Power Adapter

230W slim tip adapter

Design

Display ⁴

16" WQXGA (2560x1600) IPS Anti-glare 16:10
- 400nits, 100% sRGB, 60Hz, Dolby Vision, Eyesafe, X-Rite factory color calibration

16" 3.2K (3200x2000) IPS Anti-glare 16:10
- 430nits, 100% DCI-P3, 165Hz, Dolby Vision, Eyesafe, X-Rite factory color calibration

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

Keyboard

6-row, spill-resistant, numeric keypad
Smart sense keyboard backlight

Touchpad

Glass surface touchpad
80 x 135 mm (3.15 x 5.31 inches)

Dimensions ⁵

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

⁵The system dimensions may vary depending on configurations.

Weight ⁶

Around 2.2 kg (4.85 lbs)

⁶The system weight is approximate and may vary depending on configurations

Color

Storm grey, dual-tone design

Case material

Aluminium (top)
Aluminium (bottom)

Special Features

AI Chip: LA2-Q

Connectivity

WLAN + Bluetooth ⁷

802.11ax (Wi-Fi 6 or Wi-Fi 6E), Bluetooth 5.1

⁷Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

Ports

2x USB 3.2 Gen 2
1x USB-C 3.2 Gen 2 (data, PD 3.0 and DP 1.4)
1x Thunderbolt 4 / USB4 40Gbps (data, PD 3.0 and DP 1.4)
1x HDMI 2.1, up to 8K/60Hz
1x SD card reader
1x Headphone / microphone combo jack (3.5mm)
1x Power connector
1x Magic Bay (pogo pin connector)*

Docking

Docking support via Thunderbolt or USB-C

Security & Privacy

Firmware TPM 2.0
Kensington Nano Security Slot
Touch style MOC fingerprint reader
Camera privacy shutter
IR camera for Windows Hello

Certifications

Green Certifications ^{8 9}

EPEAT Gold Registered*
ENERGY STAR 8.0*
FSC certified carton
ErP Lot 6
ErP Lot 26
TCO Certified 9.0
RoHS compliant
Low-VOC

⁸The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

⁹EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

Other Certifications

TÜV Rheinland Low Blue Light (Hardware Solution)
Eyesafe Certified
MIL-STD-810H