

ThinkBook 16 G8 IAL

Designed for professionals who need power, efficiency, and seamless mobility, this ThinkBook delivers ultra-fast performance with Intel® U series or H series Core Ultra 5 / 7 Processor and Integrated Intel® Arc™ 130T or 140T Graphics. Whether you're managing remote teams, handling complex financial models, or creating client presentations on the go, it ensures smooth multitasking, AI-driven efficiency, and enterprise-grade security. With up to 64GB DDR5-5600 memory and 4TB SSD storage, experience lightning-fast workflows, real-time data analytics, and secure collaboration, wherever business takes you.



Redefining possibilities with powerful performance and groundbreaking on-device AI

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

Enjoy stunning visuals on a 16" WUXGA (1920x1200), optional multi-touch display with 300 nits brightness and a 1000:1 contrast ratio for sharp clarity. Perfect for presentations and content creation, the immersive screen enhances productivity, ensuring crisp images, smooth navigation, and precise touch interactions for seamless multitasking in any work environment.

Stay powered with a 71Wh battery, charging 80% in just an hour. At only 1.7 kg (3.75 lbs), it's ultra-portable. Wi-Fi® 6E, Bluetooth® 5.3, and M.2 card ensure fast connectivity, keeping you productive anywhere.

It is designed for energy efficiency, earning EPEAT Gold registration and ENERGY STAR 9.0 certification. With compliance to ErP Lot 6/26 standards, it minimizes power consumption while maintaining high performance for productivity tasks.

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..



Accessories

Lenovo USB-C Dual Display Travel Dock

- Enhanced connectivity and visual experience in a portable hub
- Continuous power supply; efficient charging solution for mobile devices
- Eco-friendly dual display travel dock; style meets sustainability



PN: Dock without Adapter : 40B90000WW, Dock with Adapter : 40B90100xx

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

Lenovo. Premier Support Plus
360 :

ThinkBook 16 G8 IAL



Performance

Processor

Intel U or H Series Core Ultra 5/7 Processor (Series 2)

Operating System

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language

NPU

Integrated Intel AI Boost, up to 13 TOPS

Graphics¹

Intel Graphics (integrated)
Intel Arc 130T GPU (integrated)
Intel Arc 140T GPU (integrated)

¹Intel Arc graphics only available on select H-series Intel Core Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel Graphics.

Memory²

Up to 64GB DDR5-5600, 2x SO-DIMM

²Maximum memory is only to test technical readiness of notebook but not shipped by Lenovo.

Storage³

Up to 2TB M.2 2280 PCIe NVMe SSD
(system supports two M.2 slots)

³The system supports dual SSD via two M.2 slots, but Lenovo only offers one SSD configuration, another SSD slot for user self-extension. The max storage capacity is only technical readiness and may be different with current Lenovo storage offerings.

Audio

High Definition (HD) Audio
Stereo speakers, 2W x2, Dolby Audio
Dual-microphone array with smart noise-cancelling

Camera^{*}

FHD 1080p, with privacy shutter
FHD 1080p + IR hybrid, with privacy shutter

Battery⁴

45Wh (up to 7.7 hr) battery, Rapid Charge Pro
71Wh (up to 14 hr) battery, Rapid Charge

⁴Battery 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^{*}

65W USB-C adapter, PD 3.0
65W USB-C slim adapter, PD 3.0

Design

Display^{5 6}

16" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 45% NTSC, 60Hz
- 300nits, 45% NTSC, 60Hz, touch

16" WQXGA (2560x1600) IPS Anti-glare 16:10
- 400nits, 100% sRGB, 120Hz, TCON

⁵IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

⁶WQXGA display is available exclusively in Korea.

Keyboard

6-row, spill-resistant, numeric keypad, Copilot Key, optional backlight

Touchpad

Mylar surface touchpad
75 x 120 mm (2.95 x 4.72 inches)

Dimensions⁷

356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)

⁷The system dimensions may vary depending on configurations.

Weight⁸

Starting at 1.7 kg (3.75 lbs)

⁸The system weight is approximate and may vary depending on configurations

Color

Arctic grey, dual-tone design

Case material

Aluminium (top)
PC-ABS (bottom)

Special Features

Modern Standby

Connectivity

Ethernet

Gigabit onboard Ethernet

WLAN + Bluetooth⁹

802.11ax (Wi-Fi 6 or Wi-Fi 6E)
Bluetooth 5.2 or 5.3

⁹Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

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 & DP 1.4
1x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 3.0 & DP 2.1
1x HDMI 2.1, up to 4K/60Hz
1x SD card reader
1x Ethernet (RJ-45)
1x Headphone / microphone combo jack (3.5mm)

Docking

Docking support via Thunderbolt or USB-C

Security & Privacy

Security

Firmware TPM 2.0
Kensington Nano Security Slot
Touch style fingerprint reader on smart power button*
Camera privacy shutter
IR camera for Windows Hello (facial recognition)*

Certifications

Green Certifications^{10 11 12}

EPEAT Gold Registered
ENERGY STAR 8.0
ErP Lot 6/26
TCO Certified 10.0
RoHS compliant

¹⁰The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

¹¹EPEAT registration and ENERGY STAR certification are optional and only available on the models with preload OS.

¹²EPEAT is registered where applicable, please see [epeat.net](https://www.epeat.net) for registration status by country.

Other Certifications

TÜV Rheinland Low Blue Light (Hardware Solution)*
TÜV Rheinland Low Blue Light (Software Solution)*
Eyesafe Certified 2.0*
MIL-STD-810H