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.

intel CORE ULTRA 7

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..

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Accessories

Lenovo Wired VoIP Headset

- Optimized audio comfort
- Lightweight design
- Seamless management

PN: Teams : 4XD1M45626, UC : 4XD1M39028

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

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

Graphics [1]
Intel Graphics (integrated)
Intel Arc 130T GPU (integrated)
Intel Arc 140T GPU (integrated)

[1]Intel 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.

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

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

Storage [3]
Up to 2TB M.2 2280 PCIe NVMe SSD
(system supports two M.2 slots)

[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. 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

Battery [4]
45Wh (up to 7.7 hr) battery, Rapid Charge Pro
71Wh (up to 14 hr) battery, Rapid Charge

[4]Battery 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

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

[6]WQXGA display is available exclusively in Korea.

Pen
No support

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)

Dimensions [7]
356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)

[7]The system dimensions may vary depending on configurations.

Weight [8]
Starting at 1.7 kg (3.75 lbs)

[8]The 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 + Bluetooth [9]
802.11ax (Wi-Fi 6 or Wi-Fi 6E)
Bluetooth 5.2 or 5.3

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

WWAN
No support

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

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

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

[12]EPEAT is registered where applicable, please see epeat.net for registration status by country.