ThinkBook 16 G9 AHP

Designed for professionals who move between client sites, creative spaces, and field environments, this laptop brings together processing agility, robust memory, and ultra-fast connectivity to keep every workflow in sync. Powered by up to AMD Ryzen™ 7 200 Series Processor and supported by up to 64GB DDR5 memory, it smoothly handles analytics, content creation, and multitasking. Seamless access to cloud tools becomes effortless with up to Wi-Fi® 7, ensuring uninterrupted collaboration and faster transitions during demanding mobile tasks across diverse professional scenarios with reliable consistency always.

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.

With optional Intel® UHD graphics driving crisp visuals, its 16" display elevates design reviews, code debugging, and data interpretation. The optional WUXGA resolution, in-cell touch, up to 400 nits brightness, and 100% sRGB fidelity bring clarity, while support for up to 4 independent displays boosts multitasking.

With up to 4TB SSD storage enabling rapid access to large files, and Discrete TPM 2.0 strengthening device integrity, the optional touch-style fingerprint reader, match-on-chip design, and IR camera deliver security suited for mobile workflows.

Designed with sustainability in mind, it meets ENERGY STAR® 9.0 standards and is EPEAT™ Gold Registered, ensuring exceptional energy efficiency that minimizes power consumption while supporting eco-friendly operations for mobile professionals on the move.

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 Wired ANC Headset Gen 2

- Active Noise Cancellation
- Certified for Zoom and Microsoft Teams
- Inline Control Box with LED Indication

PN: Teams : 4XD1M45627, UC : 4XD1M39029

Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2

- Embrace the freedom of a clutter-free and cable-free work setup.
- Ergonomically sculpted cups and low-profile island keys for maximum comfort.
- A 2.4 MHz receiver for a seamless keyboard and mouse connection.

PN: 4X31N50708 – 4X31N50757

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Performance

Processor
AMD Ryzen 3 / 5 / 7 200 Series Processor

AI PC Category*
AI PC (models with AMD Ryzen 7 250 processor)

Operating System*
Windows 11 Pro or Home

NPU*
Integrated AMD Ryzen AI, up to 16 TOPS*

Graphics
AMD Radeon 740M (integrated)
AMD Radeon 780M (integrated)

Memory [1]
Up to 64GB DDR5-5600, 2x SODIMM

[1]Maximum memory 64GB is only to test technical readiness of notebook. Available memory to sell would vary.

Storage [2]
Up to two M.2 PCIe NVMe SSD
M.2 2242 SSD up to 2TB
M.2 2280 SSD up to 2TB

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

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

Camera*
FHD 1080p + IR hybrid, with privacy shutter
5.0MP, with privacy shutter

Battery [3]
48Wh or 71Wh battery, up to 13.68 hr
48Wh battery supports Rapid Charge Pro

[3]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 [4]
16" WUXGA (1920x1200) IPS Anti-glare 16:10
- 400nits, 45% NTSC, 60Hz
- 400nits, 100% sRGB, 120Hz, In-cell touch
16" WQXGA (2560x1600) IPS Anti-glare 16:10
- 400nits, 100% sRGB, 120Hz, TCON

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

Screen-to-Body Ratio
90%

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 [5]
356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)

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

Weight [6]
Starting at 1.7 kg (3.75 lbs)

[6]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*
802.11ax (Wi-Fi 6), 802.11be (Wi-Fi 7)
Bluetooth 5.2 or 5.4
Up to Wi-Fi 7, 802.11be, Bluetooth 5.4

Ports
1x USB-A (USB 5Gbps)
1x USB-A (USB 5Gbps), Always On
2x USB-C (USB4 40Gbps), with USB PD 45-65W & DP 1.4a
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 USB-C

Security & Privacy

Security
Discrete TPM 2.0
Kensington Nano Security Slot
Touch style fingerprint reader on power button, match-on-chip
Camera privacy shutter
IR camera for Windows Hello (facial recognition)*

Environmental

Material
30% PCC recycled plastic used in the battery pack enclosure
50% PCC recycled plastic used in key caps
30% PCC recycled plastic used in speaker
90% PCC recycled plastic used in standard 65W adapter
Plastic free packaging (for EMEA & NA)
Dry pressed pulp cushion
90% recycled content in OBP bag or bamboo fiber ba
FSC certified content in carton box

Certifications

Green Certifications [7] [8] [9]
ENERGY STAR 9.0
EPEAT Gold Registered
ErP Lot 6/26
TCO Certified, generation 10
RoHS compliant

[7]The items listed under the "Green Certifications" sectio may not only refer to certification but also registration o self-declaration.

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

[9]EPEAT is registered where applicable, please see 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