

ThinkBook 16 G9 IRL

Driven by innovation, this laptop redefines performance for mobile professionals who juggle demanding workloads and dynamic environments. Powered by up to Intel® H Series Core 7 Processor, it delivers uncompromising speed for design simulations, data modeling, or real-time content rendering. With up to 64GB DDR5 memory, multitasking across complex applications becomes seamless, ensuring fluid transitions between creative tools or analytical platforms. And with up to Wi-Fi® 7, professionals can connect, collaborate, and share large files instantly, whether in the office, or on-site.



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.

Visual excellence meets flexibility with optional Intel® UHD graphics and a vibrant 16" display featuring optional WUXGA (1920x1200) resolution, in-cell touch, up to 400 nits brightness, and 100% sRGB color accuracy. It also supports up to 4 independent displays, perfect for multi-screen workflows.

For those managing vast projects or creative assets, up to 4TB SSD storage ensures quick access to essential files. Discrete TPM 2.0, optional touch-style fingerprint reader, and IR camera safeguard every login with enterprise-grade security and seamless authentication.

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

Intel H Series Core 5 / 7 Processor (Series 2)
Intel U Series Core 3 Processor (Series 1)
13th Generation Intel H Series Core i5 Processor

Operating System*

Windows 11 Pro or Home

Graphics

Intel UHD Graphics
Intel Graphics (integrated)

Memory¹

Up to 64GB DDR5-5600, 2x SODIMM

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

Storage²

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

²The 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

Battery³

48Wh or 71Wh battery, up to 10.98 hr
48Wh battery supports 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*

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

Design

Display⁴

16" WUXGA (1920x1200) IPS Anti-glare 16:10
- 400nits, 45% NTSC, 60Hz
- 400nits, 100% sRGB, 120Hz, In-cell touch

⁴IPS (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)

Dimensions⁵

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

⁵The system dimensions may vary depending on configurations.

Weight⁶

Starting at 1.7 kg (3.75 lbs)

⁶The 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 or Wi-Fi 6E), 802.11be (Wi-Fi 7)
Bluetooth 5.2, 5.3 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
1x USB-C (USB 10Gbps), with USB PD 45-65W & DP 1.4
1x Thunderbolt 4, with USB PD 45-65W & DP 1.4
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

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 bag
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

⁷The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

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

⁹EPEAT 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