

# ThinkBook 16 G8 IRL

This laptop is engineered for professionals who demand performance on the go. With up to 14th Gen Intel® Core™ 7 processors and 64GB of DDR5 memory, it handles multitasking and data analysis with ease. Its 2TB SSD storage provides ample space for large files, ensuring quick access without external drives. Thunderbolt 4 / USB4 ports offer fast data transfer and connectivity, essential for seamless integration of peripherals. Perfectly crafted to enhance productivity and efficiency wherever work takes you.



**Redefining possibilities with powerful performance and groundbreaking on-device AI**

Enjoy unmatched productivity with the 16:10 display and up to 2.5K resolution, perfect for detailed data analysis and vibrant presentations. The 100% sRGB color accuracy ensures visuals are vivid and precise, while the optional touchscreen adds a layer of interactive convenience.

Experience high-definition clarity with the FHD 1080p camera, enhanced security via Firmware TPM 2.0, and seamless access through the touch-style fingerprint reader. Perfect for professionals seeking precision, security, and efficiency on the move.

It delivers exceptional performance with up to 14th Gen Intel® Core™ i7 processors and 64GB of DDR5 memory, enabling smooth multitasking, fast data access, and efficient handling of complex tasks for productivity-driven professionals.

## 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

### Lenovo 100 Mono USB Headset

- The headset features hassle-free plug-and-play, a dynamic rotatable microphone that can be positioned on both the left and right side of your head.
- Premium protein leather earcup cushioned with memory-foam for comfort that lasts all day.
- Powerful 30 mm audio drivers with neodymium magnets envelop the user in rich detail when paired with the vocal-optimized boom-mic, for a crystal-clear calling experience.



PN: 4XD1B61617

### 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 IRL

## Performance

### Processor

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

### Operating System\*

Windows 11 Pro  
Windows 11 Home  
Windows 11 Home Single Language

### Graphics

Intel UHD Graphics  
Intel Graphics (integrated)

### Memory<sup>1</sup>

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

<sup>1</sup>The memory installed on the model with Intel Core 3 100U or Intel Core i5-13420H is actually DDR5-5600 but runs as DDR5-5200 due to platform limitation.

### Storage<sup>2</sup>

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

<sup>2</sup>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<sup>3</sup>

45Wh (up to 5.85 hr) battery, Rapid Charge Pro  
71Wh (up to 9.55 hr) battery, Rapid Charge

<sup>3</sup>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<sup>4</sup>

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

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

### 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<sup>5</sup>

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

<sup>5</sup>The system dimensions may vary depending on configurations.

### Weight<sup>6</sup>

Starting at 1.7 kg (3.75 lbs)

<sup>6</sup>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 or Wi-Fi 6E), Bluetooth 5.2 or 5.3  
Up to Intel Wi-Fi 6E AX211, Bluetooth 5.3

### 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<sup>7</sup>

Firmware TPM 2.0  
Discrete 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)\*

<sup>7</sup>Discrete TPM 2.0 is for special bid only.

## Certifications

### Green Certifications<sup>8 9 10</sup>

EPEAT Gold Registered  
ENERGY STAR 9.0  
ErP Lot 6/26  
TCO Certified 10.0  
RoHS compliant

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

<sup>9</sup>EPEAT registration and ENERGY STAR certification are optional and only available on the models with preload OS.

<sup>10</sup>EPEAT is registered where applicable, please see [epeat.net](https://www.epeat.net) for registration status by country.

### Other Certifications

TÜV Rheinland Low Blue Light (Software Solution)  
MIL-STD-810H