

Lenovo ThinkBook 16 G8 IRL - 16" - Intel Core 7 - 240H - 16 GB RAM - 512 GB SSD - UK (21SH008NUK)

Lenovo ThinkBook 16 G8 IRL 21SH - Intel Core 7 - 240H / up to 5.2 GHz - Win 11 Pro - Intel Graphics - 16 GB RAM - 512 GB SSD NVMe - 16" IPS 1920 x 1200 - Gigabit Ethernet - Wi-Fi 6E, Bluetooth - dual tone arctic grey - kbd: UK



The Lenovo ThinkBook 16 G8 IRL combines performance and practicality in a sleek design, tailored for productivity. Its 16-inch display with a 1920 x 1200 resolution ensures vibrant visuals, complemented by anti-glare and Low Blue Light technology for comfortable long-term viewing. Integrated with a powerful Intel Core 5 processor featuring 8 cores and a clock speed of 2.2 GHz, it provides a seamless experience for multitasking and demanding applications. With 16 GB of DDR5 RAM and a 512 GB SSD, this notebook offers ample memory and storage for efficient functionality. The dual array microphone with noise-canceling and high-definition audio ensures clear communication, while the Dolby Audio and stereo speakers enhance media experience. Security features such as a fingerprint reader and firmware Trusted Platform Module contribute to a secure computing environment, making the Lenovo ThinkBook 16 G8 IRL a choice for professionals seeking reliability and performance.

Key Selling Points

- 16-inch display with 1920 x 1200 resolution for vibrant visuals
- Powerful Intel Core 5 processor with 8 cores for seamless multitasking
- 512 GB SSD and 16 GB DDR5 RAM for fast performance
- Integrated security features including fingerprint reader and TPM 2.0
- Noise-canceling dual array microphone for clear communication

Product Features

- Immersive visuals**
The 16-inch screen features a resolution of 1920 x 1200 with anti-glare technology, ensuring that images are bright and colorful, while Low Blue Light technology reduces eye strain during prolonged use.
- Robust performance**
Equipped with an Intel Core 5 processor featuring 8 cores and a max turbo speed of 4.8 GHz, along with 16 GB of DDR5 memory, the ThinkBook 16 G8 IRL is built to handle demanding tasks with ease.
- Enhanced audio experience**
With high definition audio compliant standards and Dolby Audio, the dual array microphone and stereo speakers provide an enjoyable audio landscape for video calls and entertainment.
- Excellent connectivity options**
This notebook includes multiple connectivity ports including HDMI, USB-C, and Thunderbolt 4, allowing versatile options for peripheral devices and external displays.
- Trustworthy security**
Featuring a fingerprint reader and a firmware Trusted Platform Module, this device ensures that data and user information remains secure from unauthorized access.

Main Specifications

Product Description	Lenovo ThinkBook 16 G8 IRL - 16" - Intel Core 7 - 240H - 16 GB RAM - 512 GB SSD - UK
Product Type	Notebook
Operating System	Win 11 Pro - English
Processor	Intel Core 7 (Series 2) - 240H / 2.5 GHz, up to 5.2 GHz / 24 MB Cache
Memory	16 GB DDR5 (1 x 16 GB)
Storage	512 GB SSD - NVMe
Display	16" 1920 x 1200 / WUXGA @ 60 Hz
Graphics	Intel Graphics
Keyboard	UK

Keyboard Backlight	Yes
Numeric Keypad	Yes
Integrated Webcam	Yes
Networking	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3, Gigabit Ethernet
Battery	Up to 12.45 hours
Security	Firmware Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Colour	Dual tone arctic grey
Dimensions (WxDxH)	35.6 cm x 25.35 cm x 1.75 cm
Weight	1.7 kg
Localisation	Language: English / region: United Kingdom
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	TCO Certified Notebooks 9, TCO Certified, generation 10, for notebooks, ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	298 kg carbon emissions
Manufacturer Warranty	Limited warranty - 1 year - pick-up and return

Extended Specification

General

Product Type	Notebook
Operating System	Windows 11 Pro - English

Memory

RAM	16 GB (1 x 16 GB)
Max RAM Supported	64 GB
Technology	DDR5 SDRAM
Speed	2800 MHz
Rated Speed	2800 MHz
Form Factor	SO-DIMM 262-pin
Slots Qty	2
Empty Slots	1

Manufacturer Warranty

Service & Support	Limited warranty - 1 year - pick-up and return
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Storage

Main Storage	512 GB SSD M.2 2242 PCIe 4.0 x4 - NVM Express (NVMe)
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Miscellaneous

Colour	Dual tone arctic grey
Case Material	Aluminium (top), polycarbonate ABS (bottom)
Surface Finish	Anodising sandblasting (top), texture (bottom)
Security	Firmware Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Features	Administrator password, hard drive password, power-on password, MIL-STD-810H tested, Rapid Charge Pro, Modern Standby, self-healing BIOS
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington nano security slot
Included Accessories	USB-C power adapter
Compliant Standards	RoHS, Energy-Related Products (ErP) Lot 6, Energy-Related Products (ErP) Lot 26, TUV Rheinland Low Blue Light (Software Solution)
Localization	Language: English / region: United Kingdom

Manufacturer Selling Program	Lenovo TopSeller
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Environmental Parameters

Min Operating Temperature	5 °C
Max Operating Temperature	35 °C
Humidity Range Operating	8 - 95%

Software

Software Included	Microsoft Office (Trial)
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Display

Type	16" - IPS
Resolution	1920 x 1200 (WUXGA)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	300 cd/m²
Horizontal Viewing Angle	+89 / -89
Vertical Viewing Angle	+89 / -89
Colour Gamut	45% NTSC
Features	Anti-glare, Low Blue Light technology

Battery

Technology	Lithium polymer
Capacity	45 Wh
Run Time	Up to 12.45 hours
Battery Run Time	Local video (1080p) playback time (150 nits): up to 12.45 hours

Communications

Wireless	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3
Wireless Controller	M.2 Card
Network Interface	Gigabit Ethernet
Features	Wake-on-LAN (WOL), dual stream (2x2)

Dimensions & Weight

Dimensions (WxDxH)	35.6 cm x 25.35 cm x 1.75 cm
Weight	1.7 kg

Processor / Chipset

CPU	Intel Core 7 (Series 2) 240H / 2.5 GHz
Max Turbo Speed	5.2 GHz
Number of Cores	10-core
Performance Cores	6
Efficient Cores	4
Cache	24 MB
Features	Integrated memory controller

Audio & Video

Graphics Processor	Intel Graphics
Max Monitors Supported	3 external monitor(s)
Video System Features	DirectX 12.1
Camera	Yes - 1080p

Camera Features	Privacy shutter, Windows Hello, fixed focus, hybrid FHD/IR camera
Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC3287
Compliant Standards	High Definition Audio, Dolby Audio
Audio Features	Input: smart noise-cancelling

Input

Type	Keyboard, touchpad
Keyboard Backlight	Yes
Keyboard Layout	UK
Numeric Keypad	Yes
Features	Spill-resistant, multi-touch touchpad, buttonless touchpad, precision touchpad, Copilot key

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	65 Watt

Connections & Expansion

Slots	2 x M.2 (PCI Express 4.0 x4) (1 free)
Interfaces Details	USB 3.2 Gen 1 USB 3.2 Gen 1 (Always On) USB-C 3.2 Gen 2 (supports DisplayPort 1.4 Alt Mode) (Power Delivery 3.0) USB4 (supports Thunderbolt 4, DisplayPort 2.1 Alt Mode) (Power Delivery 3.0) HDMI (4K support) LAN Headphone/microphone combo jack
Memory Card Reader	Yes (SD Card)

Sustainability Information

TCO Certified	- TCO Certified Notebooks 9, TCO Certified, generation 10, for notebooks
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	298 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	51
PAIA Version	1.4.3
Packaging Recycled Content	Plastic-free

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet