

**Lenovo ThinkBook 16 G8 IAL - 16" - Intel Core Ultra 7 - 255H - 16 GB RAM - 512 GB SSD - UK (21SK007EUK)**

**Lenovo ThinkBook 16 G8 IAL 21SK - 180-degree hinge design - Intel Core Ultra 7 - 255H / up to 5.1 GHz - Win 11 Pro - Arc Graphics 140T - 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 IAL combines powerful performance with essential features, making it an ideal choice for both professionals and students. It features a 16-inch display with a native resolution of 1920 x 1200, ensuring clarity and brightness for various tasks. The anti-glare and Low Blue Light technology provide a comfortable viewing experience, reducing eye strain during prolonged use. Equipped with a Core Ultra 7 processor and 16 cores, this laptop ensures robust performance for multitasking and demanding applications. The built-in 1080p camera with a privacy shutter enhances security during video calls, while Dolby Audio delivers high-quality sound through dual array microphones and stereo speakers. With several connectivity options, including USB-C and HDMI ports, the ThinkBook is designed for versatile use in different environments.

Key Selling Points

- 16-inch display with a resolution of 1920 x 1200 for vibrant visuals
- Core Ultra 7 processor with 16 cores for enhanced performance
- Integrated privacy shutter on a 1080p webcam for security
- Dolby Audio for audio quality
- Multiple connectivity options including USB-C and HDMI

Product Features

- High-quality display**  
The 16-inch display features a native resolution of 1920 x 1200, providing high-definition visuals that enhance productivity and entertainment.
- Efficient performance**  
Powered by a Core Ultra 7 processor with 16 cores, this laptop handles demanding tasks and multitasking with ease.
- Secure and private**  
The built-in webcam comes with a privacy shutter, allowing users to control their video environment and maintain privacy during calls.
- Enhanced audio experience**  
With Dolby Audio and dual array microphones, the ThinkBook provides an audio experience for video conferencing and multimedia playback.
- Versatile connectivity**  
Multiple ports, including USB-C and HDMI, provide flexibility and convenience, making it easy to connect to various devices and peripherals.

Main Specifications

Product Description	Lenovo ThinkBook 16 G8 IAL - 16" - Intel Core Ultra 7 - 255H - 16 GB RAM - 512 GB SSD - UK
Product Type	Notebook - 180-degree hinge design
Operating System	Win 11 Pro - English
Processor	Intel Core Ultra 7 (Series 2) - 255H / 2 GHz, up to 5.1 GHz / 24 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost - up to 13 TOPS
Memory	16 GB DDR5 (1 x 16 GB)
Storage	512 GB SSD - NVMe
Display	16" 1920 x 1200 / WUXGA @ 60 Hz
Graphics	Intel Arc Graphics 140T - up to 74 TOPS
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 13.1 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, generation 10, for notebooks, ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	266 kg carbon emissions
Manufacturer Warranty	Limited warranty - 1 year - pick-up and return

## Extended Specification

### General

Product Type	Notebook - 180-degree hinge design
Operating System	Windows 11 Pro - English

### Memory

RAM	16 GB (1 x 16 GB)
Max RAM Supported	64 GB
Technology	DDR5 SDRAM
Speed	5600 MT/s
Rated Speed	5600 MT/s
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 - NVMe 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

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 13.1 hours
Battery Run Time	Local video (1080p) playback time (150 nits): up to 13.1 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 Ultra 7 (Series 2) 255H / 2 GHz
Max Turbo Speed	5.1 GHz
Number of Cores	16-core
Performance Cores	6
Efficient Cores	10
Cache	24 MB
Features	Integrated memory controller

Audio & Video

Graphics Processor	Intel Arc Graphics 140T - up to 74 TOPS
Max Monitors Supported	3 external monitor(s)
Video System Features	Functions as Intel graphics (for single-channel memory), DirectX 12.2
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, generation 10, for notebooks
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	266 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	46
PAIA Version	1.4.6

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	13 TOPS
Total Processor Performance Up To (TOPS)	96 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WebNN, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

What's in the box

Lenovo ThinkBook 16 G8 IAL 21SK  
USB-C power adapter