

# ThinkBook 16 G8 IAL

## PERFORMANCE

|                                       |                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Processor</b>                      | Intel® Core™ Ultra 5 225U, 12C (2P + 8E + 2LPE) / 14T, Max Turbo up to 4.8GHz, 12MB                        |
| <b>AI PC Category</b> <sup>[1]</sup>  | AI PC                                                                                                      |
| <b>NPU</b>                            | Integrated Intel® AI Boost, up to 12 TOPS                                                                  |
| <b>Graphics</b>                       | Integrated Intel® Graphics                                                                                 |
| <b>Chipset</b>                        | Intel® SoC Platform                                                                                        |
| <b>Memory</b>                         | 1x 8GB SO-DIMM DDR5-5600                                                                                   |
| <b>Memory Slots</b>                   | Two DDR5 SO-DIMM slots, dual-channel capable                                                               |
| <b>Max Memory</b> <sup>[2]</sup>      | Up to 64GB DDR5-5600                                                                                       |
| <b>Storage</b>                        | 256GB SSD M.2 2242 PCIe® 4.0x4 NVMe®                                                                       |
| <b>Storage Support</b> <sup>[3]</sup> | Up to two drives, 2x M.2 SSD <ul style="list-style-type: none"><li>• M.2 2280 SSD up to 2TB each</li></ul> |
| <b>Storage Slot</b>                   | Two M.2 2280 PCIe® 4.0 x4 slots                                                                            |
| <b>Card Reader</b>                    | SD Card Reader                                                                                             |
| <b>Audio Chip</b>                     | High Definition (HD) Audio, Realtek® ALC3287 codec                                                         |
| <b>Speakers</b>                       | Stereo speakers, 2W x2, Dolby Audio™                                                                       |
| <b>Camera</b>                         | FHD 1080p + IR Hybrid with Privacy Shutter                                                                 |
| <b>Microphone</b>                     | 2x, Array                                                                                                  |
| <b>Battery</b>                        | 45Wh                                                                                                       |
| <b>Power Adapter</b>                  | 65W USB-C® (3-pin)                                                                                         |
| <b>Special Features</b>               | Modern Standby                                                                                             |

## DESIGN

|                               |                                                              |
|-------------------------------|--------------------------------------------------------------|
| <b>Display</b> <sup>[4]</sup> | 16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC, 60Hz |
| <b>Touchscreen</b>            | None                                                         |

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Color Calibration</b>                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Keyboard</b>                          | Backlit, German                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Touchpad</b>                          | Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Case Color</b>                        | Arctic Grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Surface Treatment</b>                 | Anodizing Sandblasting (Top), Texture (Bottom)                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Case Material</b>                     | Aluminium (Top), PC-ABS (Bottom)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Pen</b>                               | Pen Not Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dimensions (WxDxH)</b> <sup>[5]</sup> | 356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Weight</b> <sup>[6]</sup>             | Starting at 1.7 kg (3.75 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>SOFTWARE</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Operating System</b>                  | Windows® 11 Pro, German                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Bundled Software</b>                  | Office Trial                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>CONNECTIVITY</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>WLAN + Bluetooth</b> <sup>[7]</sup>   | Wi-Fi® 6E, 802.11ax 2x2 + BT5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>WWAN</b>                              | Non-WWAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Ethernet</b>                          | 100/1000M (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Standard Ports</b>                    | <ul style="list-style-type: none"><li>• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)</li><li>• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On</li><li>• 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4</li><li>• 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1</li><li>• 1x HDMI® 2.1, up to 4K/60Hz</li><li>• 1x Headphone / microphone combo jack (3.5mm)</li><li>• 1x Ethernet (RJ-45)</li><li>• 1x SD card reader</li></ul> |
| <b>Docking</b>                           | Various docking solutions supported via Thunderbolt™ or USB-C®.<br>For more compatible docking solutions, please visit <a href="#">Docking for ThinkBook® 16 G8 IAL</a>                                                                                                                                                                                                                                                                                                                  |

## SECURITY & PRIVACY

|                           |                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Security Chip</b>      | Firmware TPM 2.0 Enabled                                                                                                             |
| <b>Fingerprint Reader</b> | Touch Style, Match-on-Chip, Integrated in Power Button                                                                               |
| <b>Physical Locks</b>     | Kensington® Nano Security Slot™, 2.5 x 6 mm                                                                                          |
| <b>Other Security</b>     | <ul style="list-style-type: none"><li>• Camera privacy shutter</li><li>• IR camera for Windows® Hello (facial recognition)</li></ul> |

## MANAGEABILITY

|                          |           |
|--------------------------|-----------|
| <b>System Management</b> | Non-vPro® |
|--------------------------|-----------|

## SERVICE

|                         |                             |
|-------------------------|-----------------------------|
| <b>Base Warranty</b>    | 1-year, Courier or Carry-in |
| <b>Included Upgrade</b> | 1Y Premier WHB (CPN)        |

## ACCESSORIES

|                            |      |
|----------------------------|------|
| <b>Bundled Accessories</b> | None |
|----------------------------|------|

## CERTIFICATIONS

|                                            |                                                                                                                                                                                  |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Green Certifications</b> <sup>[8]</sup> | <ul style="list-style-type: none"><li>• ENERGY STAR® 8.0</li><li>• EPEAT™ Gold Registered</li><li>• ErP Lot 6/26</li><li>• RoHS compliant</li><li>• TCO Certified 10.0</li></ul> |
| <b>Other Certifications</b>                | TÜV Rheinland® Low Blue Light (Software Solution)                                                                                                                                |
| <b>Mil-Spec Test</b>                       | MIL-STD-810H military test passed                                                                                                                                                |

## MODEL

|                        |                |                       |              |
|------------------------|----------------|-----------------------|--------------|
| <b>TopSeller</b>       | : Yes          | <b>Announce Date</b>  | : 2025-02-27 |
| <b>EAN / UPC / JAN</b> | : 198156460035 | <b>End of Support</b> | : 2031-09-27 |

Note:

[1] AI PCs have a NPU capable of 10+ TOPs to run the Copilot assistant by pressing the optional Microsoft Copilot key or using Win + C.

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

[3] The system supports dual SSD via two M.2 slots, but.....

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To see more note information, please link to <https://psref.lenovo.com/Detail/2692?M=21SK0082GE>

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## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

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## Recommended Accessories

### ThinkPad Universal USB-C Dock

THE SMARTER WAY TO WORK Introducing the ThinkPad Universal USB-C Dock. This advanced, universally compatible one-cable docking solution lets you work smarter, not harder. It comes with a vast array of ports, next-gen ...

## Recommended Services

|        |                                                                                      |
|--------|--------------------------------------------------------------------------------------|
| BEST   | 2Y Lenovo Support (Premier Support + KYD + 2Y SBTY + International Upg) (5PS1J31168) |
| BETTER | 2Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31181)           |
| GOOD   | 2Y Premier Support upgrade from 1Y Premier Support (5WS1B38515)                      |

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

**PSREF**  
Product Specifications  
Reference