

ThinkBook 16 G8 IAL

PERFORMANCE

Processor
Intel® Core™ Ultra 7 255H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.1GHz, 24MB
AI PC Category ^[1]
AI PC
NPU
Integrated Intel® AI Boost, up to 13 TOPS
Graphics ^[2]
Integrated Intel® Arc™ 140T GPU
Chipset
Intel® SoC Platform
Memory
2x 16GB SO-DIMM DDR5-5600
Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable
Max Memory ^[3]
Up to 64GB DDR5-5600
Storage
1TB SSD M.2 2242 PCIe® 4.0x4 NVMe®
Storage Support ^[4]
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 2TB each
Storage Slot
Two M.2 2280 PCIe® 4.0 x4 slots
Card Reader
SD Card Reader
Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec
Speakers
Stereo speakers, 2W x2, Dolby Audio™
Camera
FHD 1080p + IR Hybrid with Privacy Shutter
Microphone
2x, Array
Battery
45Wh
Power Adapter
65W USB-C® (3-pin)
Special Features
Modern Standby

DESIGN

Display ^[5]
16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC, 60Hz
Touchscreen
None

Color Calibration
None
Keyboard
Backlit, German
Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)
Case Color
Arctic Grey
Surface Treatment
Anodizing Sandblasting (Top), Texture (Bottom)
Case Material
Aluminium (Top), PC-ABS (Bottom)
Pen
Pen Not Supported
Dimensions (WxDxH) ^[6]
356 x 253.5 x 17.5 mm (14.01 x 9.98 x 0.69 inches)
Weight ^[7]
Starting at 1.7 kg (3.75 lbs)
SOFTWARE
Operating System
Windows® 11 Pro, German
Bundled Software
Office Trial + Lenovo® AI Now
CONNECTIVITY
WLAN + Bluetooth ^[8]
Wi-Fi® 6E, 802.11ax 2x2 + BT5.3
WWAN
Non-WWAN
Ethernet
100/1000M (RJ-45)
Standard 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 and DisplayPort™ 1.4
• 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
• 1x HDMI® 2.1, up to 4K/60Hz
• 1x Headphone / microphone combo jack (3.5mm)
• 1x Ethernet (RJ-45)
• 1x SD card reader
Docking
Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit Docking for ThinkBook® 16 G8 IAL

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 Enabled
Fingerprint Reader
Touch Style, Match-on-Chip, Integrated in Power Button
Physical Locks
Kensington® Nano Security Slot™, 2.5 x 6 mm
Other Security
• Camera privacy shutter
• IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

System Management
Non-vPro®

SERVICE

Base Warranty
1-year, Courier or Carry-in
Included Upgrade
1Y Premier WHB (CPN)

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications ^[9]
• ENERGY STAR® 8.0
• EPEAT™ Gold Registered
• ErP Lot 6/26
• RoHS compliant
• TCO Certified 10.0
Other Certifications
TÜV Rheinland® Low Blue Light (Software Solution)
Mil-Spec Test
MIL-STD-810H military test passed

MODEL

TopSeller	: Yes	Announce Date	: 2025-02-27
EAN / UPC / JAN	: 198156359001	End of Support	: 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] Intel Arc graphics only available on select H-series Intel Core Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel Graphics.

[3] Maximum memory is only to test technical readiness of.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2692?M=2ISK007KGE>

Premier Support - A direct 24x7x365 line to our most elite technicians.

Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

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.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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