

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 Functions as Intel® Graphics
- Chipset**
Intel® SoC Platform
- Memory**
1x 16GB SO-DIMM DDR5-5600
- Memory Slots**
Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory**^[3]
Up to 64GB DDR5-5600
- Storage**
512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®
- Max 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

- Screen-to-Body Ratio**
90%
- Color Calibration**
None
- Keyboard**
Backlit, English (UK)
- 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, English (US) / English (UK)
- Bundled Software**
Office Trial

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**
None

ACCESSORIES

- Bundled Accessories**
None

CERTIFICATIONS

- Green Certifications**^[9]
- ENERGY STAR® 9.0
 - 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	: 198156303929	End of Support	: 2031-09-27

· Lenovo reserves the right to change specifications without notice.
To see more note information, please access the [web page](#).

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

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Recommended Accessories



ThinkPad Universal USB-C Dock

40AY0090US

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

BETTER	3Y Premier Support Upgrade from 1Y Courier/Carry-in (5WS0T36151)
GOOD	3Y Courier/Carry-in upgrade from 1Y Courier/Carry-in (5WS0A23813)

Please click [here](#) to view the full list of accessories.



PSREF
Product Specifications
Reference