

PERFORMANCE

Processor
Intel® Core™ Ultra 7 255H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.1GHz, 24MB

AI PC Category
AI-Ready Workstations

NPU
Integrated Intel® AI Boost, up to 13 TOPS

Graphics
NVIDIA® RTX PRO 2000 Blackwell Generation 8GB GDDR7 Laptop GPU

Chipset
Intel® SoC Platform

Memory
2x 32GB SODIMM DDR5-5600 Non-ECC

Memory Slots
Two DDR5 SODIMM / CSODIMM slots, dual-channel capable

Max Memory
Up to 96GB (2x 48GB DDR5 CSODIMM)

Storage
2TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal 2.0

Storage Slot
Two M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support^[1]
Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each

Card Reader
SD Express 7.0 Card Reader

Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers
Stereo speakers, 2W x2, Dolby Audio™

Microphone
2x, Array

Camera
5.0MP + IR with Privacy Shutter and Human Presence Detection

Battery
90Wh

Power Adapter
140W USB-C® GaN (3-pin)

DESIGN

Display
16" WQUXGA (3840x2400) OLED 400nits Anti-glare / Anti-reflection / Anti-smudge, 100% DCI-P3, 60Hz, Dolby Vision®, Eyesafe®, TÜV Low Blue Light, Touch

Touchscreen
Add-on Film Touch, 10-point Multi-touch

Screen-to-Body Ratio
87.7%

Color Calibration
X-Rite® Factory Color Calibration

Pen
Pen Not Supported

Keyboard
Backlit, Hebrew

Dimensions (WxDxH)^[2]
361.5 x 248.6 x 12.8 / 19.55 (front / rear), 26.3 (maximum) mm
14.23 x 9.79 x 0.50 / 0.77 (front / rear), 1.04 (maximum) inches

Weight^[3]
Around 2.1 kg (4.6 lbs)

Case Color
Black

Case Material
Aluminium (Top), PC-ABS (Bottom)

SOFTWARE

Operating System
Windows® 11 Pro, Hebrew / English

Bundled Software
Lenovo® AI Now

CONNECTIVITY

WLAN + Bluetooth®
Intel® Wi-Fi® 7 BE201, 802.11be 2x2 + BT5.4

WWAN
WWAN Upgradable to 5G

Ethernet
100/1000M (RJ-45)

Standard Ports

- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x Thunderbolt™ 4, with USB PD 3.1, 140W input / 15W output
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (GbE RJ-45)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

Optional Ports (configured)
1x Nano-SIM Card Slot

Docking
Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit [Docking for ThinkPad® P16v Gen 3 \(Intel®\)](#)

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0 Enabled

Physical Locks
Kensington® Nano Security Slot™, 2.5 x 6 mm

Fingerprint Reader
Touch Style, Match-on-Chip, Integrated in Power Button

Other Security

- Bottom cover tamper detection
- Camera privacy shutter
- Ultrasonic Human Presence Detection for IR camera
- IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

System Management
Non-vPro®

SERVICE

Base Warranty
3-year, Courier or Carry-in with 1-year Battery

Included Upgrade
1Y Premier Support from 3Y Depot Windchill bundles (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

CERTIFICATIONS

ISV Certifications
Please visit [ISV certifications for Lenovo® Workstations](#)

Green Certifications

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified, generation 10

Mil-Spec Test
MIL-STD-810H military test passed

Other Certifications

- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light

MODEL

TopSeller	: Yes	Announce Date	: 2025-08-26
EAN / UPC / JAN	: 0199271938058	End of Support	: 2032-03-28

· 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 ...



ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

- The ThinkPad Hybrid USB-C with USB-A dock is a productivity solution for any USB-C or USB-A laptop, including non-Lenovo laptops from Dell, HP, and Apple, providing power, display, and port expansion in any m...

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

Lenovo

PSREF
Product Specifications
Reference