

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 500 Blackwell Generation 6GB GDDR7 Laptop GPU

Chipset

Intel® SoC Platform

Memory

2x 16GB 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

1TB 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" WUXGA (1920x1200) IPS 400nits Anti-glare, 45% NTSC, 60Hz, TÜV Low Blue Light

Screen-to-Body Ratio

87.7%

Color Calibration

AICCP Color Calibration

Pen

Pen Not Supported

Keyboard

Backlit, German

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, German

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

TÜV Rheinland® Low Blue Light

MODEL

TopSeller : Yes **Announce Date** : 2025-08-26

EAN / UPC / JAN : 0199271693827 **End of Support** : 2032-03-28

Note:

^[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.

^[2] The system dimensions may vary depending on configurations.

^[3] The system weight is approximate and based on results in.....

· 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