

PERFORMANCE**Processor**

Intel® Core™ Ultra 7 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB

AI PC Category

AI-Ready Workstations

NPU

Integrated Intel® AI Boost, up to 13 TOPS

Graphics

NVIDIA® RTX PRO 3000 Blackwell Generation 12GB GDDR7 Laptop GPU

Chipset

Intel® WM880 Chipset

Memory

2x 32GB SODIMM DDR5-5600 Non-ECC

Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

Max Memory

- Models with ECC memory: Up to 128GB (4x 32GB SO-DIMM DDR5-5600 ECC)
- Models with Non-ECC memory: Up to 192GB (4x 48GB SO-DIMM DDR5-5600 Non-ECC)

Storage

1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal 2.0

Storage Slot

Three M.2 slots

- One M.2 2280 PCIe® 5.0 x4 slot
- Two M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support

Up to three M.2 2280 Gen 5 Performance SSD; up to 12TB, 4TB each

Card Reader

SD Express 8.0 Card Reader

Audio Chip

SoundWire®, Cirrus Logic® CS42L43 codec

Speakers

Stereo speakers, 2W x2, Dolby Atmos®

Microphone

2x, Array

Camera

5.0MP + IR with Privacy Shutter and Computer Vision Human Presence Detection on ISP

Battery

99.9Wh

Power Adapter

180W USB-C® GaN (3-pin)

DESIGN**Display**

16" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, Low Power, Eyesafe®, TÜV Low Blue Light

Screen-to-Body Ratio

82%

Color Calibration

X-Rite® Factory Color Calibration

Pen

Pen Not Supported

Keyboard

Backlit, German

Dimensions (WxDxH)

362 x 252 x 15.8 / 20.9 (front / rear), 29.8 (maximum) mm
14.25 x 9.92 x 0.62 / 0.82 (front / rear), 1.17 (maximum) inches

Weight

Starting at 2.54 kg (5.6 lbs)

Case Color

Black

Case Material

Aluminium (Top), Aluminium (Bottom)

SOFTWARE**Operating System**

Windows® 11 Pro, German

Bundled Software

Lenovo® AI Now

CONNECTIVITY**WLAN + Bluetooth®**

Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.4

WWAN

Non-WWAN

Ethernet

1x 2.5GbE 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™ 5, with DisplayPort™ 2.1 and USB PD 3.1, 180W input / 15W output
- 1x Thunderbolt™ 4, with DisplayPort™ 2.1 and USB PD 3.1, 180W input / 15W output
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (2.5GbE RJ-45)
- 1x SD Express 8.0 card reader

Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® P16 Gen 3](#)

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

- Camera privacy shutter (camera models)
- Computer Vision-based User Presence Sensing on Image Signal Processor (ISP)

MANAGEABILITY**System Management**

Non-vPro®

SERVICE**Base Warranty**

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

Included Upgrade

3Y Premier TP WS WHB (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 : 2025-09-22

EAN / UPC / JAN : 0199271679654

End of Support : 2032-04-09

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



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



Comprehensive hardware & OEM software support



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



Technical Account Managers for proactive relationship and escalation management



Priority on service delivery and repair parts



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

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

BEST	5Y Premier Support upgrade from 3Y Premier Support (5WSOW86655)
BETTER	4Y Premier Support upgrade from 3Y Premier Support (5WSOW86674)

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



PSREF
Product Specifications
Reference