



PERFORMANCE

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

**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 SODIMM slots, dual-channel capable

**Max Memory**  
• Models with ECC memory: Up to 128GB (4x 32GB SODIMM DDR5-5600 ECC)  
• Models with Non-ECC memory: Up to 192GB (4x 48GB SODIMM 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**<sup>[1]</sup>  
Up to three M.2 2280 Gen 5 Performance SSD; up to 12TB, 4TB each

**RAID Preset**  
None

**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)**<sup>[2]</sup>  
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**<sup>[3]</sup>  
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**  
WWAN Upgradable to 5G

**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

**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 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)

ACCESSORIES

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 **EAN / UPC / JAN:** 0199274156077  
**Announce Date:** 2025-12-09 **End of Support** : 2032-04-09  
• Please refer to the official [Lenovo store website](#) or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.  
• 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



Lenovo Dual-Mode Wireless ANC Headset 6550 (USB-C, Teams) 4XD1S19778



Lenovo Professional Wireless Keyboard and Mice Combo-Czech/Slovakia 4X31R64351

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

Recommended Services

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



PSREF  
Product Specifications  
Reference