



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**  
32GB LPCAMM2 LPDDR5x-7467

**Memory Slots**  
One LPCAMM2 connector, dual-channel

**Max Memory**  
Up to 64GB (1x 64GB LPCAMM2), upgradable

**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<sup>[1]</sup>**  
Up to two M.2 2280 Gen 5 Performance SSD; up to 8TB, 4TB each

**RAID Preset**  
None

**Card Reader**  
SD Express 7.0 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**  
90Wh

**Power Adapter**  
140W USB-C® GaN (3-pin)

DESIGN

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

**Touchscreen**  
None

**Screen-to-Body Ratio**  
91.7% (IPS models)

**Color Calibration**  
X-Rite® Factory Color Calibration

**Pen**  
Pen Not Supported

**Keyboard**  
Backlit, Italian

**Dimensions (WxDxH)<sup>[2]</sup>**  
354.3 × 241.0 × 9.9 / 15.8 (front / rear), 20.6 (maximum) mm 13.95 x 9.49 x 0.39 / 0.62 (front / rear), 0.81 (maximum) inches

**Weight<sup>[3]</sup>**  
Starting at 1.84 kg / 4.06 lbs

**Case Color**  
Black

**Case Material**  
Aluminium (Top), Aluminium (Bottom)

SOFTWARE

**Operating System**  
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

**Bundled Software**  
Intel® Connectivity Performance Suite + Lenovo® AI Now

CONNECTIVITY

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

**WWAN**  
Non-WWAN

**SIM Card**  
None

**Ethernet**  
No Onboard Ethernet

**Standard Ports**  
• 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On  
• 2x Thunderbolt™ 5, with USB PD 3.1 and DisplayPort™ 2.1, 140W input / 15W output  
• 1x Thunderbolt™ 4, with DisplayPort™ 2.1 and USB PD 3.1, 140W input / 15W output  
• 1x HDMI® 2.1, up to 8K/60Hz  
• 1x Headphone / microphone combo jack (3.5mm)  
• 1x SD Express 7.0 card reader

**Docking**  
Various docking solutions supported via Thunderbolt™ or USB-C®. For more compatible docking solutions, please visit [Docking for ThinkPad P1 Gen 8](#)

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  
• Computer Vision-based User Presence Sensing on Image Signal Processor (ISP)  
• 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**  
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  
• Intel® Evo™ Platform  
• TÜV Rheinland® Low Blue Light

MODEL

**TopSeller** : Yes **EAN / UPC / JAN:** 0199272086567  
**Announce Date:** 2025-09-05 **End of Support** : 2032-04-25  
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Premier Support - A direct 24x7x365 line to our most elite technicians.

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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 Legion 17" Gaming Backpack GB800 (Black) GX41U39299



ThinkPad Mobile Workstation 140W USB-C GaN Slim AC Adapter-UK 4X21U28822

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