

## PERFORMANCE

### Processor

Intel® Core™ Ultra 7 165H, 16C (6P + 8E + 2LPE) / 22T, Max Turbo up to 5.0GHz, 24MB

### AI PC Category<sup>[1]</sup>

AI-Ready Workstations

### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Graphics

NVIDIA® RTX 2000 Ada Generation 8GB GDDR6

### Chipset

Intel® SoC Platform

### Memory<sup>[2]</sup>

32GB LPCAMM2 LPDDR5x-7500

### Memory Slots

One LPCAMM2 connector, dual-channel

### Max Memory

Up to 64GB (1x 64GB LPCAMM2), upgradable

### Storage

1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

### Max Storage Support<sup>[3]</sup>

- Up to two drives, 2x M.2 SSD
- M.2 2280 SSD up to 8TB, 4TB each
- RAID 0/1 support

### Card Reader

SD 7.0 Card Reader

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

2x, Array

### Camera

5.0MP + IR with Privacy Shutter and Human Presence Detection

### Battery

90Wh

### Power Adapter

170W Slim Tip (3-pin)

## DESIGN

### Display

16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz, TÜV Low Blue Light

### Color Calibration

Factory Color Calibration

### Pen

Pen Not Supported

### Keyboard

Backlit, English

### Dimensions (WxDxH)<sup>[4]</sup>

354.4 x 241.2 x 17.05 mm (13.95 x 9.49 x 0.67 inches)

### Weight<sup>[5]</sup>

Starting at 1.82 kg (4.03 lbs)

### Case Color

Black

### Case Material

Aluminium (Top), Aluminium (Bottom)

## SOFTWARE

### Operating System

Windows® 11 Pro, English

### Bundled Software

Intel® Connectivity Performance Suite

## CONNECTIVITY

### WLAN + Bluetooth®

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

### WWAN

Non-WWAN

### SIM Card

No physical SIM card inbox

### Ethernet

No Onboard Ethernet

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 (135W input) and DisplayPort™ 1.4
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 (135W input) and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 8K/60Hz or 4K/240Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

### Docking

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

For more compatible docking solutions, please visit [Docking for ThinkPad® P1 Gen 7](#)

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0 Enabled

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

No smart card reader

### Fingerprint Reader

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

### Other Security

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

## MANAGEABILITY

### System Management

Intel® vPro® Enterprise

## SERVICE

### Base Warranty

3-year, Courier or Carry-in

### Included Upgrade

3Y Premier Support Upgrade from 3Y Courier/Carry-in

## CERTIFICATIONS

### ISV Certifications

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

### Green Certifications

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 10.0

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- Intel® Evo™ Platform
- TÜV Rheinland® Low Blue Light

## MODEL

<b>TopSeller</b>	: Yes	<b>Announce Date</b>	: 2024-05-28
<b>EAN / UPC / JAN</b>	: 198153493302	<b>End of Support</b>	: 2030-12-28

Note:

[1] With scalable configurations of higher-performance CPUs and professional NVIDIA RTX GPUs, in addition to advantage of the same modern AI PC technology, AI-Ready workstation power the demanding AI consumption & development workflows.

[2] System comes with LPDDR5x-7500 modules and will run at 7467 MT/s due to platform limitations.

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

[4] The system dimensions may vary depending on configurations.

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

• Lenovo reserves the right to change specifications without notice.  
• California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

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 ...

## Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1M86970)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39135)
GOOD	4Y Premier Support upgrade from 3Y Premier Support+3Y Lenovo Support (KYD + SBTY + International Upg) (5WS0W86674, 5PS1D67026)

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



**PSREF**  
Product Specifications  
Reference