

## 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 LPCCAMM2 LPDDR5x-7500

**Memory Slots**

One LPCCAMM2 connector, dual-channel

**Max Memory**

Up to 64GB (1x 64GB LPCCAMM2), 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

**TopSeller** : Yes

**Announce Date** : 2024-05-28

**EAN / UPC / JAN** : 198153493302

**End of Support** : 2030-12-28

**Note:**

<sup>[1]</sup> 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.

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

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

<sup>[4]</sup> The system dimensions may vary depending on configurations.

<sup>[5]</sup> 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



Comprehensive hardware & OEM software support



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

## 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