

PERFORMANCE

Processor

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

NPU

Intel® AI Boost integrated in Intel® Core™ Ultra processor

Graphics

Integrated Intel® Arc™ Graphics

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® 4.0x4 Performance NVMe® Opal 2.0

Storage Support

Up to two drives, 2x M.2 SSD

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

Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

RAID Preset

None

Card Reader

SD 7.0 Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, Dolby Atmos®

Camera

5.0MP + IR with Privacy Shutter and Human Presence Detection

Microphone

2x, Array

Battery

Integrated 90Wh

Power Adapter

135W Slim Tip (3-pin)

DESIGN

Display

16" WUXGA (1920x1200) IPS 400nits Anti-glare, 100% sRGB, 60Hz, TÜV Low Blue Light

Touchscreen

None

Color Calibration

Factory Color Calibration

Keyboard

Backlit, German

Case Color

Black

Case Material

Aluminium (Top), Aluminium (Bottom)

Dimensions (WxDxH)

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

Weight

Starting at 1.82 kg (4.03 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, German

Bundled Software

Intel® Connectivity Performance Suite

CONNECTIVITY

Ethernet

No Onboard Ethernet

WLAN + Bluetooth®

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

WWAN

No support

SIM Card

No physical SIM card inbox

NFC

None

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
- 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

Smart Card Reader

No smart card reader

Security Chip

Discrete TPM 2.0 Enabled

Fingerprint Reader

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

Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

Other Security

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

MANAGEABILITY

System Management

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

3Y Premier TP WS WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

Bundled Accessories

None

CERTIFICATIONS

Green Certifications

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 9.0

Other Certifications

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

Mil-Spec Test

MIL-STD-810H military test passed

ISV Certifications

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

MODEL

TopSeller : Yes

Announce Date : 2024-05-28

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End of Support : 2030-12-28