

PERFORMANCE

Processor

Intel® Core™ i7-13800H, 14C (6P + 8E) / 20T, P-core 2.5 / 5.2GHz, E-core 1.8 / 4.0GHz 24MB

Graphics

NVIDIA® RTX 3500 Ada Generation 12GB GDDR6 ECC

Chipset

Intel SoC Platform

Memory

1x 32GB SO-DIMM DDR5-5600 Non-ECC

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)

Storage

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

Storage Support⁽⁷⁾

Models with NVIDIA RTX 3500/4000/5000 Ada or GeForce RTX4060/4080/4090:

One drive, up to 4TB M.2 2280 SSD

Storage Slot

Models with NVIDIA RTX 3500/4000/5000 Ada or GeForce RTX4060/4080/4090:

One M.2 2280 PCIe 4.0 x4 slot

Card Reader

SD 7.0 Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, optimized with Dolby® Atmos®

Camera

5.0MP + IR Hybrid with Privacy Shutter and Human Presence Detection

Microphone

2x, Array

Battery

Integrated 90Wh

Power Adapter

230W Slim Tip (3-pin)

DESIGN

Display

16" WQUXGA (3840x2400) OLED 400nits Anti-reflection / Anti-smudge, 100% DCI-P3, DisplayHDR™ 400, Dolby Vision™, TÜV Low Blue Light, Touch

Touchscreen

Add-on Film Touch, 10-point Multi-touch

Color Calibration

Factory Color Calibration

Keyboard

Backlit, German

Case Color

Black, Weave

Case Material

CFRP / GFRP (top), Aluminium (bottom)

Dimensions (WxDxH)⁽⁸⁾

359.5 x 253.8 x 17.3 mm (14.15 x 9.99 x 0.68 inches)

Weight⁽⁹⁾

Starting at 1.78 kg (3.92 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, German

CONNECTIVITY

Ethernet

No Onboard Ethernet

WLAN + Bluetooth⁽¹⁰⁾⁽¹¹⁾

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector
- 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 6](#)

SECURITY & PRIVACY

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

- Ultrasonic Human Presence Detection for IR camera
- Camera privacy shutter
- Bottom cover tamper detection
- IR camera for Windows® Hello

MANAGEABILITY

System Management⁽¹²⁾⁽¹³⁾

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

CO2 Offset 0.5 ton, 3Y Premier TP WS WHB (CPN)

CERTIFICATIONS

Green Certifications⁽¹⁴⁾⁽¹⁵⁾

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

Other Certifications

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** : 2023-06-06

EAN / UPC / JAN : 0197529709665 **End of Support** : 2030-01-06

To see more note information, please link to https://psref.lenovo.com/Detail/ThinkPad_P1_Gen_6?M=21FV000HGE.

- Lenovo reserves the right to change specifications or other product information without notice.
- Product image on this page is a sample, it may not match the real color of this model
- Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences