

ThinkPad P1 Gen 7

Crafted with precision engineering and advanced technology, this notebook is designed to boost the performance of professionals who demand the absolute best from their devices. Harnessing the formidable power of up to Intel® H Series Core™ Ultra 9 Processor, it is engineered to handle the most demanding tasks with ease. Whether it's a software developer compiling complex code, a data scientist running intensive algorithms, or a video editor working with high-resolution footage, its processing capabilities ensure smooth and seamless performance every step of the way.



Professional machines for advanced users

Designed for business users who tackle compute-intensive workflows. With professional-grade graphics and powerful, multi-core processors, Lenovo sets the standard for mobile workstations and ensures best-in-class reliability even when you're away from the office.

For those who require uncompromising graphics performance, our optional NVIDIA® RTX graphics deliver unparalleled visual fidelity and rendering speeds. From 3D modeling and rendering to CAD design and gaming, it empowers creative professionals and enthusiasts alike to push the boundaries of what's possible.

It allows fast data analysis with the up to Intel® H Series Core™ Ultra 9 Processor and optional NVIDIA® RTX graphics that ensure swift handling of complex spreadsheets and statistical software for advanced financial insights.

It enhances graphics and Photoshop editing capabilities with optional NVIDIA® RTX graphics and stunning WQUXGA OLED display, delivering unparalleled color accuracy and detail for precision editing and breathtaking visual experiences.

Lenovo Services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

Accessories

Lenovo Go Wireless Split Keyboard

- Human-inspired true ergonomic split keyboard with tactile and responsive, scissor switch keys
- 13-degrees splay for straight typing, comfortable neck and shoulders
- 11-degrees vertical tenting for more natural typing posture



PN: 4Y41C33748~4Y41C33789

Lenovo Go Wireless Multi-Device Mouse

- Compact ambidextrous design, programmable Utility Button on the side, default functions optimized for Teams calls
- Connects to up to 3 devices via 1x USB-C dongle, 2x Bluetooth 5.0; quick switch button to jump control across devices
- Comes with a blue optical sensor that tracks on most surfaces and wireless Qi or wired USB-C fast-chargeable battery



PN: 4Y51C21217

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Performance

Processor

Intel H Series Core Ultra 5/7 /9 Processor

Operating System

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Windows 11 DG Windows 10 Pro 64
Windows 10 Government Edition 64
Fedora Linux
Ubuntu Linux LTS
Red Hat Enterprise Linux 9.2 certified

NPU

Intel AI Boost, up to 11 TOPS

Graphics

Intel Arc Graphics eligible (integrated)
NVIDIA RTX 1000 Ada Generation Laptop GPU
NVIDIA RTX 2000 Ada Generation Laptop GPU
NVIDIA RTX 3000 Ada Generation Laptop GPU
NVIDIA GeForce RTX 4060 Laptop GPU
NVIDIA GeForce RTX 4070 Laptop GPU

Memory

Up to 64GB LPDDR5x-7500, 1x LPCAMM2 connector

Storage¹

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

¹The storage capacity supported is based on the test results with current Lenovo storage offerings.

Audio

High Definition (HD) Audio
Stereo speakers, 2W x2, Dolby Atmos
Dual-microphone array, far-field, Dolby Voice

Camera*

5.0MP + IR, with privacy shutter and Ultrasonic Human Presence Detection

Battery²

90Wh battery, Rapid Charge

²Battery life claims are approximate maximum. Actual result will vary depending on many factors and the maximum battery capacity will decrease with time and use.

Power Adapter*

135W slim tip adapter
170W slim tip adapter

Design

Display³

16" WUXGA (1920x1200) IPS Anti-glare 16:10
- 400nits, 100% sRGB, TÜV Low Blue Light, X-Rite Factory Color Calibration

16" WQXGA (2560x1600) IPS Anti-glare 16:10
- 500nits, 100% sRGB, 165Hz, TÜV Low Blue Light, X-Rite Factory Color Calibration

16" WQXUGA (3840x2400) OLED ARAS 16:10
- 400nits, 100% DCI-P3, DisplayHDR 400, Dolby Vision, Eyesafe, X-Rite factory color calibration, touch

³IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Keyboard

6-row, spill-resistant, backlight

Touchpad

TrackPoint pointing device and glass surface Haptic Touchpad,
85 x 135 mm (3.35 x 5.31 inches)

Dimensions⁴

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

⁴The system dimensions may vary depending on configurations.

Weight⁵

Starting at 1.82 kg (4.03 lbs)

⁵The system weight is approximate and may vary depending on configurations

Color

Black

Case material

Aluminium (top), aluminium (bottom)

Connectivity

WLAN + Bluetooth*^{6 7}

Intel Wi-Fi 7 BE200, 802.11be 2x2 Wi-Fi + Bluetooth 5.4

⁶Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

⁷Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

NFC

Near Field Communication*

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 and DisplayPort 1.4
2x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 3.0 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

Docking support via Thunderbolt or USB-C

Security & Privacy

Security

Discrete TPM 2.0
Kensington Nano Security Slot
Touch style MOC fingerprint reader
Camera privacy shutter*
IR camera for Windows Hello (facial recognition)*
Ultrasonic Human Presence Detection*

Manageability

System Management*

Intel vPro Enterprise*

Certifications

Green Certifications^{8 9 10}

ENERGY STAR 8.0
EPEAT Gold Registered
TCO Certified 9.0
RoHS compliant

⁸The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

⁹EPEAT registration and ENERGY STAR certification are dependent on system OS.

¹⁰EPEAT is registered where applicable, please see [epeat.net](https://www.epeat.net) for registration status by country.

Other Certifications

Intel Evo Platform
Eyesafe Certified 2.0*
TÜV Rheinland Low Blue Light*
MIL-STD-810H

Items with * are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2024 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.