

ThinkPad P1 Gen 8

Designed for advanced business professionals, this mobile workstation combines breakthrough performance and modern design to power the most demanding workflows. With Intel® H Series Core Ultra 5 / 7 / 9 Processor (Series 2), it delivers AI-accelerated speed and seamless multitasking across enterprise applications. The sleek form with ultra-narrow bezels maximizes screen space for data visualization, coding, and design, while the sustainable aluminum chassis offers both durability and eco-conscious sophistication. Moreover, with support for up to 64GB (1x 64GB LPCAMM2) memory, professionals can effortlessly handle large-scale simulations, CAD projects, and advanced analytics, ensuring smooth productivity wherever business takes them.



Elevate Professional Endeavors with Powerhouse Workstations

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.

A 16" Tandem OLED display with optional 3.2K resolution delivers exceptional clarity and lifelike visuals, ideal for professionals who rely on precise detail in design, data visualization, and content creation. With a 100,000:1 contrast ratio, it ensures deeper blacks and brighter highlights, enhancing accuracy in complex workflows.

The support for up to 4 independent displays, including the native display and 3 external monitors via Thunderbolt™ 5, Thunderbolt™ 4, and HDMI®, offers more screen real estate, allowing users to run complex workflows, monitor data in real time, host video conferences, and manage multiple applications without constantly switching windows.

The discrete NVIDIA® RTX PRO 1000 and 2000 Blackwell Generation GPUs are optimized for creative workflows, offering enhanced performance in image rendering, layer management, and real-time previews, which reduces lag when working with high-resolution files or complex compositions.

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..



Expedited Depot Repair Warranty

- Speeds up standard 7-10 business-day depot service
- Get the repaired system back in 3 to 4 business days
- Avoid unplanned expenses when you need a faster repair

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 Vertical Mouse

- 6-button mouse including 2 programmable side buttons and an IR sensor
- True Ergonomic vertical design with a 45-degree vertical grip made from treated cork material
- 800, 1600, 2400 adjustable DPI and 2.4 GHz wireless dongle connection



PN: 4Y51C33792

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Performance

Processor

Intel H Series Core Ultra 5/7/9 Processor (Series 2)

AI PC Category*

AI-Ready Workstations

Operating System*

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Fedora Linux
Ubuntu Linux
Red Hat Enterprise Linux (certified only)

NPU

Integrated Intel AI Boost, up to 13 TOPS

Graphics

Intel Arc Graphics eligible (integrated)
NVIDIA RTX PRO 1000 Blackwell Generation Laptop GPU
NVIDIA RTX PRO 2000 Blackwell Generation Laptop GPU

Memory

Up to 64GB LPDDR5x-7467, 1x LPCAMM2 connector

Storage¹

Up to two M.2 2280 Gen 5 Performance SSD; up to 8TB total, 4TB each

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 Computer Vision
Human Presence Detection on Image Signal Processor (ISP), temporal noise reduction

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*

140W USB-C GaN AC adapter, PD 3.1

Design

Display³

16" WUXGA (1920x1200) IPS Anti-glare
- 500nits, 100% sRGB, 60Hz, Low Power, Eyesafe, TÜV Low Blue Light
16" WQUXGA (3840x2400) IPS Anti-glare
- 800nits, 100% DCI-P3, 60Hz, DisplayHDR 400, Dolby Vision, Eyesafe, TÜV Low Blue Light
16" 3.2K (3200x2000) Tandem OLED AGARAS
- 600nits, 100% DCI-P3, 40-120Hz, DisplayHDR 600, Dolby Vision, Eyesafe, TÜV Low Blue Light, Touch

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

Keyboard

6-row, spill-resistant, Copilot key, backlight

Touchpad

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

Dimensions⁴

354.3 x 241.0 x 9.9 / 15.8 (front / rear), 20.6 (maximum) mm
13.95 x 9.49 x 0.39 / 0.62 (front / rear), 0.81 (maximum) inches

⁴The system dimensions may vary depending on configurations.

Weight⁵

Starting at 1.84 kg / 4.06 lbs

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

Color

Black

Case material

Aluminium (top), aluminium (bottom)

Connectivity

WLAN + Bluetooth*⁶

Intel Wi-Fi 7 BE201, 802.11be, Bluetooth 5.4

⁶Wi-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 10Gbps / USB 3.2 Gen 2), Always On 1x HDMI 2.1, up to 8K/60Hz 1x Headphone / microphone combo jack (3.5mm) 1x SD Express 7.0 card reader 2x Thunderbolt 5, with USB PD 3.1 1x Thunderbolt 4, with USB PD 3.1 1x Ethernet (2.5GbE RJ-45), via Lenovo USB-C to Ethernet Adapter (2.5Gbps)*

Security & Privacy

Security

Discrete TPM 2.0
Kensington Nano Security Slot
Smart card reader*
Touch style MOC fingerprint reader*
Camera privacy shutter*
IR camera for Windows Hello (facial recognition)*
Computer Vision-based User Presence Sensing*

Manageability

System Management*

Intel vPro Enterprise*

Certifications

Green Certifications^{7 8 9}

ENERGY STAR 9.0
EPEAT Gold Registered
TCO Certified, generation 10
RoHS compliant

⁷The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

⁸EPEAT registration and ENERGY STAR certification are optional and only available on the models with preloaded OS.

⁹EPEAT 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