

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..



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
¹ The 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
² Battery 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 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
³ IPS (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)
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Dimensions⁴ 354.3 × 241.0 × 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
⁴ The system dimensions may vary depending on configurations.

Weight⁵ Starting at 1.84 kg / (4.06 lbs)
⁵ The system weight is approximate and may vary depending on configurations
Color Black
Case material Aluminium (top), aluminium (bottom)

Connectivity

WLAN + Bluetooth* Intel Wi-Fi 7 BE201, 802.11be, Bluetooth 5.4
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*

Environmental

Material 90% Recycled Magnesium Aluminum C Cover 75% Recycled Aluminum A Cover 55% Recycled Aluminum D Cover 50% PCC Plastic D Cover (Attached Internal Components) 90% PCC Plastic 140W AC Adapter 46% Total PCC PlasticPlastic Free Packaging with 90% Recycled and / or FSC Certified Content

Certifications

Green Certifications^{6 7 8} ENERGY STAR 9.0 EPEAT Gold Registered TCO Certified, generation 10 RoHS compliant
⁶ The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
⁷ EPEAT registration and ENERGY STAR certification are optional and only available on the models with preloaded OS.
⁸ EPEAT is registered where applicable, please see 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. © 2025 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.