

# 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

# ThinkPad P1 Gen 8

## 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

### Storage<sup>1</sup>

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

<sup>1</sup>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

### Battery<sup>2</sup>

90Wh battery, Rapid Charge

<sup>2</sup>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 AC adapter, PD 3.1

## Design

### Display<sup>3</sup>

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

<sup>3</sup>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)

### Dimensions<sup>4</sup>

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

<sup>4</sup>The system dimensions may vary depending on configurations.

### Weight<sup>5</sup>

Starting at 1.84 kg / 4.06 lbs

<sup>5</sup>The system weight is approximate and may vary depending on configurations

### Color

Black

### Case material

Aluminium (top), aluminium (bottom)

## Connectivity

### WLAN + Bluetooth\*<sup>6</sup>

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

<sup>6</sup>Wi-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<sup>7 8 9</sup>

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

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

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

<sup>9</sup>EPEAT 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