

# 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



# ThinkPad P1 Gen 7



## 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

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

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

<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 Ultrasonic Human Presence Detection

### 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\*

135W slim tip adapter  
170W slim tip adapter

## Design

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

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

<sup>3</sup>IPS (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)

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

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

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

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

Starting at 1.82 kg (4.03 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 7</sup>

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

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

<sup>7</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 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<sup>8 9 10</sup>

ENERGY STAR 8.0  
EPEAT Gold Registered  
TCO Certified 9.0  
RoHS compliant

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

<sup>9</sup>EPEAT registration and ENERGY STAR certification are dependent on system OS.

<sup>10</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

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