

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.



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.

**Elevate Professional Endeavors
with Powerhouse Workstations**

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 Integrated 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
<i>¹The storage capacity supported is based on the test results with current Lenovo storage offerings.</i>
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, temporal noise reduction

Battery² 90Wh battery, Rapid Charge
<i>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.</i>

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" WQUXGA (3840x2400) OLED ARAS 16:10 - 400nits, 100% DCI-P3, DisplayHDR 400, Dolby Vision, Eyesafe, X-Rite factory color calibration, touch
<i>³IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.</i>

Keyboard 6-row, spill-resistant, backlight
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Touchpad TrackPoint pointing device and glass surface Haptic Touchpad, 85 x 135 mm (3.35 x 5.31 inches)
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Dimensions⁴ 354.4 x 241.2 x 17.05 mm (13.95 x 9.49 x 0.67 inches)
<i>⁴The system dimensions may vary depending on configurations.</i>

Weight⁵ Starting at 1.82 kg (4.03 lbs)
<i>⁵The system weight is approximate and may vary depending on configurations</i>

Color Black
Case material Aluminium (top), aluminium (bottom)

Connectivity

WLAN + Bluetooth*⁶ Intel Wi-Fi 7 BE200, 802.11be 2x2 Wi-Fi + Bluetooth 5.4
<i>⁶Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.</i>

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
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Docking Docking support via Thunderbolt or USB-C
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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*
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Manageability

System Management* Intel vPro Enterprise*

Certifications

Green Certifications^{7 8 9} ENERGY STAR 8.0 EPEAT Gold Registered TCO Certified 9.0 RoHS compliant
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⁷The items listed under the "Green Certifications" section may not only refer to certification but also registration (self-declaration).

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