

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.

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.

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 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

AI PC Category*
AI-Ready Workstations

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

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

[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 Ultrasonic Human Presence Detection, temporal noise reduction

Battery [2]
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*
135W slim tip adapter
170W slim tip adapter

Design

Display [3]
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

[3]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 [4]
354.4 x 241.2 x 17.05 mm (13.95 x 9.49 x 0.67 inches)

[4]The system dimensions may vary depending on configurations.

Weight [5]
Starting at 1.82 kg (4.03 lbs)

[5]The 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 BE200, 802.11be 2x2 Wi-Fi + Bluetooth 5.4

[6]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*

Environmental

Material
85% PCC recycled plastic used in key caps
90% PCC recycled plastic used in speaker enclosure
90% PCC recycled plastic used in the battery
30% PCC recycled plastic used in power adapter
Plastic free packaging with 90% recycled and/or FSC certified content

Certifications

Green Certifications [7] [8] [9]
ENERGY STAR 8.0
EPEAT Gold Registered
TCO Certified 9.0
RoHS compliant

[7]The items listed under the "Green Certifications" sectio may not only refer to certification but also registration c self-declaration.

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

[9]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.