

ThinkPad P1 Gen 6

Powered by up to 13th Gen H Series Intel Core i9 processor, this device enables data analysts to run multiple applications, handle large datasets and perform complex computations without experiencing performance lag. Configured with up to 96GB DDR5 memory and up to 2x4TB SSD storage allows coders to set up virtual machines and run emulators effectively. With dual Thunderbolt 4 ports transfer large files and code repositories between laptop and external storage devices at high-speed



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.

16" screen with up to WQUXGA resolution enables better visibility of complex code, data tables, and visualizations to data engineers without excessive scrolling or zooming. Additionally, Dolby Atmos and 2W dual speakers provide an immersive audio experience.

Powered by up to 13th Gen H Series Intel Core i9 processor and with up to 96GB DDR5 memory, this laptop enables financial traders to handle large volumes of statistical data and run complex algorithms easily.

16" screen with up to WQUXGA resolution displays realistic and pixelated visuals, ideal for graphic designing.

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..



Return To Depot Repair Warranty

- No-hassle repair process at a Lenovo service center
- Lenovo pays for all shipping between the customer and service facility
- Avoid unplanned operational expense with a simple annual fee

Accessories

Lenovo Portable Aluminum Laptop Stand

- The foldable frame easily fits into a backpack of any size.
- 18° tilt offers a comfortable viewing position for pain-free productivity.
- Silicone footing protects your device from accidental slips and slides.



PN: 4XF1B03657

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

13th Generation H series Intel Core i7 / i9

Operating System

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Windows 11 DG Windows 10 Pro 64
Fedora Linux
Ubuntu Linux LTS
Ubuntu Linux with Data Science Preload
Red Hat Enterprise Linux (certified only)

Graphics

Intel Iris Xe Graphics eligible (integrated)
NVIDIA RTX A1000 Laptop GPU
NVIDIA RTX 2000 Ada Generation Laptop GPU
NVIDIA RTX 3500 Ada Generation Laptop GPU
NVIDIA RTX 4000 Ada Generation Laptop GPU
NVIDIA RTX 5000 Ada Generation Laptop GPU
NVIDIA GeForce RTX 4060 Laptop GPU
NVIDIA GeForce RTX 4080 Laptop GPU
NVIDIA GeForce RTX 4090 Laptop GPU

Memory

Up to 96GB DDR5-5600, 2x SO-DIMM

Storage¹

Up to 2x 4TB M.2 2280 PCIe NVMe SSD
RAID 0/1 support*

¹The storage capacity supported is based on the test results with current Lenovo storage offerings.

Audio

High Definition (HD) Audio
Stereo speakers, 2W x2, optimized with Dolby Atmos
Dual-microphone array, far-field, Dolby Voice

Camera^{*}

FHD 1080p + IR hybrid, with privacy shutter and Ultrasonic Human Presence Detection
5.0MP + IR discrete, with privacy shutter and Ultrasonic Human Presence Detection

Battery

90Wh battery, Rapid Charge

Power Adapter^{*}

170W / 230W USB-C adapter, PD3.0

Design

Display²

16.0" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 100% sRGB, TÜV Low Blue Light,
X-Rite Factory Color Calibration

16.0" WQXGA (2560x1600) IPS Anti-glare 16:10
- 500nits, 100% sRGB, X-Rite Factory Color
Calibration, 165Hz, TÜV Low Blue Light

16.0" WQUXGA (3840x2400) OLED ARAS 16:10
- 400nits, 100% DCI-P3, X-Rite Factory Color
Calibration, TÜV Low Blue Light, Dolby Vision,
DisplayHDR 400, Add On Film Touch

²IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Keyboard

6-row, spill-resistant, backlight

Touchpad

TrackPoint and glass surface touchpad
67.6 x 115 mm (2.66 x 4.53 inches)

Dimensions^{3 4}

Starting at 359.5 x 253.8 x 17.3 mm
(14.15 x 9.99 x 0.68 inches)

³The system dimensions may vary depending on configurations.

⁴The system dimensions may vary depending on configurations.

Weight^{5 6}

Starting at 1.78 kg (3.92 lbs)

⁵The system weight is approximate and may vary depending on configurations

⁶The system weight is approximate and may vary depending on configurations.

Color

Black, paint
Black, weave

Case material

CFRP / GFRP (top), aluminium (bottom)

Connectivity

Ethernet

Ethernet support via optional USB-C to 2.5GbE RJ-45 Dongle

WLAN + Bluetooth^{* 7 8 9}

Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3

⁷Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

⁸Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

⁹Bluetooth 5.3 operation requires Windows 11.

WWAN^{*}

Up to 4G LTE CAT16 with embedded eSIM*

NFC

Near Field Communication*

Ports

2x Thunderbolt 4 / USB4 40Gbps (data, PD 3.0, DP 1.4)
1x USB 3.2 Gen 1
1x USB 3.2 Gen 1 (one Always On)
1x Headphone / microphone combo jack (3.5mm)
1x Power connector
1x SD Express 7.0 card reader
1x HDMI
1x 2.5GbE RJ-45*
1x Nano-SIM card slot*

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)*
Human Presence Detection*

Manageability

System Management^{* 10}

Intel vPro Enterprise*

¹⁰Intel vPro offers a superset of DASH's defined capabilities

Certifications

Green Certifications^{11 12 13}

EPEAT Gold Registered
ENERGY STAR 8.0
TCO Certified 9.0
RoHS compliant

¹¹The items listed under the "Green Certifications" section may not only refer to certification but also registration (self-declaration).

¹²EPEAT registration and ENERGY STAR certification are dependent on system OS.

¹³EPEAT is registered where applicable, please see epeat.net for registration status by country.

Other Certifications

TÜV Rheinland Low Blue Light (Hardware Solution)
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. © 2024 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.