

Lenovo
ThinkPad

Lenovo ThinkPad P1 Gen 9

Refined Design. Relentless Performance.

Lenovo



Copilot+PC

That's the power of Intel Inside®

The Lenovo ThinkPad P1 combines exceptional power with sleek design. Featuring up to the latest Intel® Core™ Ultra X9 Series 3 Processor for Copilot+ PCs, and up to the NVIDIA RTX PRO™ 2000 Blackwell Generation Laptop GPU, the ThinkPad P1 delivers improved AI capabilities with up to 672 TOPS of combined CPU, GPU, and NPU performance for next-generation workflows. Its lightweight aluminum chassis and ultra-narrow bezels delivers a sophisticated design optimized for the demanding ISV workloads of on-the-go creative professionals, engineers, executives, and more.

Processor:

**5.1GHz
16 Cores**

Up to Intel® Core™ Ultra X9 Series 3 Processor for Copilot+ PCs

Graphics:

**8GB GDDR7
VRAM**

Up to NVIDIA RTX PRO 2000 Blackwell Generation Laptop GPU

Memory:

**96GB
LPDDR5x**

9600MT/s LPCAMM2¹

AI:

**672
TOPS**

CPU package: up to 180 TOPS²
GPU: up to 572 TOPS
Total: up to 672 TOPS³

Features



16" 16:10 Display

Three high quality options to suit your budget including Tandem OLED panel for increased brightness, high refresh rate, and excellent color reproduction.



Enhanced Graphics Options

Support for the NVIDIA RTX PRO platform or built-in Intel® Arc™ Pro graphics with up to 12 Xe-cores, ensuring accelerated AI capabilities, rapid content creation, and seamless multitasking.



Next-Level Productivity with On-Device AI

Power AI workloads with an improved NPU architecture and Microsoft Copilot+ support without relying on cloud connectivity.

Lenovo ThinkPad P1 Gen 9 Product Specifications[^]

Performance

Processor

Up to Intel® Core™ Ultra X9 Series 3 Processor for Copilot+ PCs (up to 16 cores, up to 5.1GHz)¹

Graphics

Discrete

Up to NVIDIA RTX PRO 2000 Blackwell Generation Laptop GPU
8GB GDDR7 Memory

Processor Integrated

Up to Intel® Arc™ Pro Graphics

AI

CPU Package: up to 180 TOPS²
GPU: up to 572 TOPS
Total: up to 672 TOPS³

Total Memory

Up to 96GB LPCAMM2 LPDDR5x 9600MT/s¹

Memory Capacity

16GB / 32GB / 64GB / 96GB
Customer Replaceable

Total Storage

Up to 8TB M.2 PCIe® Gen5 NVMe Performance SSD
Up to 2 x 4TB drives

RAID

0/1

Camera

5MP RGB + IR Hybrid Camera with ThinkPad Webcam Privacy Shutter and Human Presence Detection

Battery

90Whr, Customer Replaceable
Rapid Charge

Power Supply

140W PD 3.1 USB-C

Display

16" 16:10 Display

3.2K (3200 x 2000)

- Tandem OLED Touch, SDR 600nit / HDR 1500nit, 40-120Hz Variable Refresh Rate, 100% DCI-P3, Anti-Glare/Anti-Reflective/Anti-Smudge, HDR600, Dolby Vision®, X-Rite FCC, TÜV Eyesafe® Low Blue Light, Pen Support

WQUXGA (UHD+) (3840x2400)

- IPS, 800nit, 100% DCI-P3, 60Hz, Anti-Glare, HDR 400, Dolby Vision, X-Rite FCC, TÜV Eyesafe Low Blue Light

WUXGA (FHD+) (1920 x 1200)

- IPS, 500nit, Low Power, 100% sRGB, 60Hz, Anti-Glare, X-Rite FCC, TÜV Eyesafe Low Blue Light

Connectivity

Ports

(1) USB-A (10Gbps)*
(1) USB-C® (Thunderbolt™ 4)⁴
(2) USB-C (Thunderbolt 5)
(1) SD Express 7.0 Card Reader
(1) HDMI® 2.1
(1) Audio Jack

Wireless Connectivity

Intel Wi-Fi® 7 BE211 (2x2be) + Bluetooth® 6⁵

Foxconn Snapdragon X61 5G Modem-RF System 5G sub-6GHz CAT20 with eSIM^{6,7}

Near Field Communication (NFC)⁶

Design

Dimensions (Width x Depth x Front / Rear, Max)

354.4 x 241.2 x 9.87 / 15.8, 20.6mm
13.95 x 9.49 x 0.39 / 0.62, 0.81in

Weight

Starting at less than 2kg
(Exact weight dependent on configuration)

Keyboard

ThinkPad Keyboard, Backlit, Spill Resistant with Copilot Key

¹ Memory spec frequency listed; system support frequency may vary by configuration; for a full list of memory specs please visit <https://psref.lenovo.com>

² Intel® Arc™ Pro 12Xe cannot be combined with discrete graphics. The maximum combined performance for systems configured with the Intel® Arc™ Pro 12Xe is 180 TOPS

³ For systems configured with Intel 4Xe graphics and a discrete GPU

⁴ Modular, port is replaceable

⁵ Bluetooth may be limited by OS

⁶ Optional

⁷ eSIM not available in PRC

[^] For a full list of configuration details please visit: <https://psref.lenovo.com>

* USB port transfer speeds are approximate and depend on many factors, such as processing capability of host/peripheral devices, file attributes, system configuration and operating environments; actual speeds will vary and may be less than expected.



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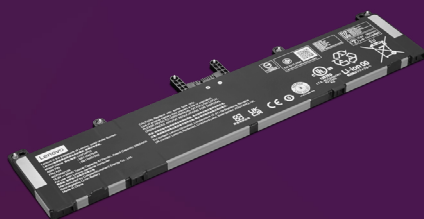
Lenovo Options & Accessories



ThinkVision P32UD-40 Display



ThinkPad Thunderbolt™ 5 Smart Dock 7500



ThinkPad 4-cell 90Wh Li-ion Replacement Battery



Scan for system overview, supported components, and technical specifications.

For a full list of accessories and options, please visit: accsmartfind.lenovo.com

For more details on ThinkStation and ThinkPad, please visit: lenovo.com/workstations

Visit us on social media: [#lenovoworkstations](https://twitter.com/lenovoworkstations)



Lenovo ThinkPad P1 Gen 9 General Specifications[^]

Software

Operating System

Windows 11 Pro
Windows 11 Home
Ubuntu® Linux®
Red Hat® Enterprise Linux®
Fedora® Linux
Debian® Linux

Windows Preloads

Lenovo Commercial Vantage

Additional Features

Ultra Performance Mode
Discrete Graphics Mode (via HDMI only)

ISV Certifications

Including Altair®, AVID®, Autodesk®, ANSYS®, Barco®, Bentley®, Dassault®, Esri®, Nemetschek®, PTC®, Siemens®

For a complete list of ISV certifications visit <https://thinkworkstations.com/>

Security

Intel vPro security

ThinkShield

dTPM 2.0
Self-Healing BIOS
Touch Fingerprint Reader
ThinkPad Webcam Privacy Shutter
Kensington Lock Slot
Human Presence Detection

Sustainability

Materials

90% Recycled Magnesium Aluminum C Cover
75% Recycled Aluminum A Cover
55% Recycled Aluminum D Cover
50% PCC Plastic D Cover (Attached Internal Components)
90% PCC Plastic Speaker Enclosure
90% PCC Plastic Battery Pack Enclosure
90% PCC Plastic 140W AC Adapter
46% Total PCC Plastic
Low Temperature Solder¹
Plastic Free Packaging with 90% Recycled and/or FSC Certified Content^{2,3}

Certifications

EPEAT®^{4,5} Gold
ENERGY STAR® 9.0⁵
RoHS Compliant
TCO 10.0
MIL-STD-810H

**Smarter
technology
for all**

Lenovo

Software Solutions

Lenovo Performance Tuner (LPT)

A free performance optimization tool designed for ThinkStation P and ThinkPad P Series workstations. It helps professionals get the most out of their hardware by dynamically adjusting system resources for demanding applications.

Linux

Lenovo delivers out-of-the-box Linux support by certifying the entire portfolio of ThinkStation and ThinkPad P Series workstations. This commitment prioritizes the needs of specialized users, guaranteeing a seamless and optimized Linux experience.

¹ SSD, fingerprint reader module

² Product packaging shall contain, on average, a minimum total percentage of 90% by weight of any combination of the following materials: Recycled content, biobased plastic, non-wood biobased fiber material, and/or sustainably forested material.

³ Standard / bulk

⁴ EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country

⁵ Certification available on select models

[^] For a full list of configuration details please visit: <https://psref.lenovo.com>



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Lenovo Solutions to Enhance Your Business Productivity

Lenovo offers solutions that help organizations run smoother and move faster. Lenovo Commercial Services reduce IT complexity, speed deployment, and keep devices optimized throughout their lifecycle. Lenovo ThinkShield delivers comprehensive, modern and resilient protection across every layer from supply chain to cloud, helping teams stay productive and compliant. Integrated into Lenovo Workstations, these solutions ensure that high-performance devices remain protected, optimized, and ready to meet the demands of modern workflows. The result is greater resilience and simpler management with less effort.

Lenovo Services



Protection & Support Services

Designed to help maintain and evolve the capabilities of your devices over their lifespan with flexible options for warranty extensions, Lenovo Protection & Support Services also help minimize unplanned operating and maintenance expenses, enhancing the budget predictability of your IT operations.

- Premier Support Plus
- Premier Support
- Accidental Damage Protection



Digital Workplace Solutions with Lenovo xIQ Digital Workplace Platform

Lenovo's comprehensive and flexible suite of Digital Workplace Solutions, powered by Gen AI technology, Lenovo xIQ Digital Workplace Platform creates a hyper-personalized experience that boosts employee satisfaction and productivity, automating workflows to streamline tasks and reduce IT strain.

- TruScale DaaS
- TruScale DaaS for Sustainability
- TruScale DaaS for AI PC
- Security Services
- Managed Services



AI Services

From strategy to scale, Lenovo helps you design, deploy, and manage secure AI solutions that align with your goals and deliver measurable ROI.

- AI Discover
- AI Adoption & Change Management

Security: Lenovo ThinkShield

Lenovo is committed to being our customer's most trusted technology supplier. ThinkShield delivers comprehensive, modern, and resilient solutions to defend your business.

Lenovo ThinkShield, protecting your business, everywhere.

Secure from the start

End-to-end supply chain protection with verifiable hardware and software assurance.



SUPPLY CHAIN



OS-TO-CLOUD

Smarter protection (AI+XDR)

End-to-end supply chain protection with verifiable hardware and software assurance.

Integrity at every level

Fleet-wide firmware and hardware defense against rogue devices and advanced attacks.



BELOW-THE-OS



SUPPORT

Always on

Expert protection and support, seamlessly handled by one trusted partner, 24x7.

Fueled by delivering smarter technology for all, Lenovo ThinkShield is constantly evolving our hardware, software and services to provide reliable security solutions to defend your business—without compromising end-user productivity.

Learn more at [Lenovo.com/Services](https://lenovo.com/Services) and [Lenovo.com/ThinkShield](https://lenovo.com/ThinkShield)

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