

ThinkPad P1 Gen 9

Handling advanced workloads across engineering, content creation, financial modeling, and AI-driven analysis becomes significantly more efficient with up to Intel H Series Core Ultra X9 Processor (Series 3) performance and up to 50 TOPS NPU capability. Supported by NVIDIA RTX PRO Blackwell Generation graphics, up to 96GB upgradable memory, and dual PCIe NVMe SSD storage with RAID 0/1 support, the system enables seamless multitasking and accelerated rendering. Moreover, Windows 11 Pro or Linux options, Dolby Voice audio, and a 90Wh Rapid Charge battery help professionals maintain productivity during intensive hybrid workflows and collaboration sessions.



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.

For professionals managing detailed visual tasks, the 16-inch display lineup offers exceptional clarity through WQUXGA IPS, and 3.2K Tandem OLED options with up to 120Hz refresh rate. In addition, Eyesafe certification, TÜV Low Blue Light technology, and X-Rite color accuracy support extended precision-focused workflows comfortably.

Equipped with up to Intel H Series Core Ultra X9 Processor (Series 3), up to 50 TOPS NPU capability, and dual PCIe NVMe SSD storage, the device efficiently handles advanced statistical analysis, predictive modeling, large spreadsheets, and intensive multitasking workloads.

Featuring NVIDIA RTX PRO graphics and 16-inch color-accurate display options with X-Rite and DisplayHDR support, the workstation helps professionals manage high-resolution image editing, layered compositions, detailed retouching, and AI-assisted creative workflows with enhanced precision and responsiveness.

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 Wired ANC Headset Gen 2



- Active Noise Cancellation
- Certified for Zoom and Microsoft Teams
- Inline Control Box with LED Indication

PN: Teams : 4XD1M45627, UC : 4XD1M39029

ThinkPad Professional 16" Backpack Gen 2



- Slim and lightweight for hassle-free commute
- Made from high-quality, lightweight materials
- Conveniently placed compartments and pockets

PN: 4X41M69794

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Performance

Processor
Intel H Series Core Ultra 7 / 9 / X7 / X9 Processor (Series 3)

AI PC Category*
AI-Ready Workstations
Copilot+ PC

Operating System*
Windows 11 Pro or Home
Fedora or Ubuntu Linux

NPU*
Up to 50 TOPS

Graphics
Intel Arc B390 GPU (integrated)
NVIDIA RTX PRO 1000 Blackwell Generation 8GB GDDR7 Laptop GPU
NVIDIA RTX PRO 2000 Blackwell Generation 8GB GDDR7 Laptop GPU

Memory
Up to 96GB (1x 96GB LPCAMM2), upgradable

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

Audio*
SoundWire
Stereo speakers
Dual-microphone array, far-field, Dolby Voice"

Camera*
5.0MP + IR, with privacy shutter, CV on ISP, temporal noise reduction

Battery
90Wh battery, Rapid Charge

Power Adapter*
140W USB-C GaN adapter, supports PD 3.1, 100-240V, 50-60Hz

Design

Display
16" WUXGA (1920x1200) IPS Antiglare 16:10
- 500nits, 100% sRGB, 60Hz, 91.7% screen to body ratio, X-Rite, Low power, TÜV Low Blue Light, Eyesafe 2.0
16" WQUXGA (3840x2400) IPS Antiglare 16:10
- 800nits, 60Hz, DisplayHDR, Eyesafe, TÜV Low Blue Light
16" 3.2K (3200x2000) Tandem OLED Anti-glare 16:10
- 600nits, Add-on Film Touch, 120Hz, DisplayHDR, Eyesafe 2.0, TÜV Low Blue Light

Keyboard
6-row, spill-resistant, Copilot key, backlight

Touchpad
TrackPoint and glass surface Haptic Touchpad
85 x 135 mm (3.35 x 5.31 inches)"

Dimensions
354.4 × 241.2 × 9.87 / 15.8 (front / rear), 20.6 (maximum) mm
13.95 × 9.50 × 0.39 / 0.62 (front / rear), 0.81 (maximum) inches

Weight
Starting at 1.80 kg (3.98 lbs)

Color
Black

Case material
Aluminium (top), aluminium (bottom)

Connectivity

WLAN + Bluetooth*
Intel Wi-Fi 7 BE211, 802.11be, Bluetooth 5.4

WWAN*
5G with embedded eSIM*

NFC
Near Field Communication*

Ports
1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
2x Thunderbolt 5, with USB PD 3.1 & DP 2.1, 140W input / 15W output
1x Thunderbolt 4, with DP 2.1 and USB PD 3.1, 140W input / 15W output
1x HDMI 2.1, up to 8K/60Hz- 1x Headphone / microphone combo jack (3.5mm)
1x SD Express 7.0 card reader
1x Kensington Nano Security Slot- 1x 2.5GbE RJ-45, via Lenovo USB-C to Ethernet Adapter (2.5Gbps)*
1x Nano-SIM card slot (WWAN support models)*

Security & Privacy

Security
Discrete TPM 2.0
Kensington Nano Security Slot
Touch style fingerprint reader*
Camera privacy shutter*
IR camera for Windows Hello (facial recognition)*
Computer Vision-based Human Presence Detection*"

Manageability

System Management*
Intel vPro Enterprise*

Environmental

Material
90% Recycled Magnesium Aluminum C cover
75% Recycled Aluminum A cover
55% Recycled Aluminum D cover
90% PCC recycled plastic used in speaker enclosure
90% PCC recycled plastic used in the battery pack enclosure
50% PCC plastic D cover (Attached Internal Components)
90% PCC plastic 140W AC Adapter
46% Total PCC plastic
Plastic free packaging with 90% recycled and / or FSC certified content

Certifications

Green Certifications
ENERGY STAR 9.0
EPEAT Gold Registered
RoHS compliant
TCO Certified, generation 10

Other Certifications
Eyesafe Certified 2.0
TÜV Rheinland Low Blue Light
MIL-STD-810H military test passed

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