

Lenovo ThinkPad P1 Gen 8

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Lenovo PSREF-Modell: 21Q8003NGE



Lenovo ThinkPad P1 Gen 8: Intel Core Ultra 7 255H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.1GHz, 24MB Intel Smart Cache, 32GB LPCAMM2 LPDDR5X-7467, 512GB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0, NVIDIA RTX PRO 1000 Blackwell Generation 8GB GDDR7 Laptop GPU, Windows 11 Pro, German, Case color - Black, 3Y Premier TP WS WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects).

Leistung & Architektur

Prozessor	Intel Core Ultra 7 255H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.1GHz, 24MB Intel Smart Cache
KI-PC-Kategorie	AI-Ready Workstations
NPU (KI-Beschleuniger)	Integrated Intel AI Boost, up to 13 TOPS
Grafikkarte	NVIDIA RTX PRO 1000 Blackwell Generation 8GB GDDR7 Laptop GPU
Chipsatz	Intel SoC Platform

Speicher & Laufwerke

Arbeitsspeicher (RAM)	32GB LPCAMM2 LPDDR5X-7467
RAM-Steckplaetze	One LPCAMM2 connector, dual-channel
Max. Arbeitsspeicher	Up to 64GB (1x 64GB LPCAMM2), upgradable
Festplatte (Storage)	512GB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0
M.2-Steckplaetze	Two M.2 2280 PCIe 4.0 x4 slots
Max. Festplattenkapazitaet	Up to two M.2 2280 Gen 5 Performance SSD; up to 8TB, 4TB each
Kartenleser	SD Express 7.0 Card Reader

Display & Design

Display	16" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, Low Power, Eyesafe, TÜV Low Blue Light
Touchscreen	None
Farbkalibrierung	X-Rite Factory Color Calibration
Stifteingabe	Pen Not Supported
Tastatur	Backlit, German
Gehäusefarbe	Black
Gehäusematerial	Aluminium (Top), Aluminium (Bottom)
Abmessungen (BxTxH)	354.3 × 241.0 × 9.9 / 15.8 (front / rear), 20.6 (maximum) mm 13.95 × 9.49 × 0.39 / 0.62 (front / rear), 0.81 (maximum) inches
Gewicht	Starting at 1.84 kg (4.06 lbs)

Konnektivitaet & Multimedia

WLAN + Bluetooth	Intel Wi-Fi 7 BE201, 802.11be 2x2 + BT5.4
Mobilfunk (WWAN)	WWAN Not Supported
SIM-Karte	No SIM card included (nano-SIM card slot available)
Ethernet	No Onboard Ethernet
NFC	No NFC
Standard-Anschlusse	1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On 2x Thunderbolt 5, with USB PD 3.1 and DisplayPort 2.1, 140W input / 15W output 1x Thunderbolt 4, with DisplayPort 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
Optionale Anschlusse	None
Docking	Various docking solutions supported via Thunderbolt / USB-C. For more compatible docking solutions, please visit Docking for ThinkPad P1 Gen 8

Audio-Chip	SoundWire, Cirrus Logic CS42L43 codec
Lautsprecher	Stereo speakers, 2W x2, Dolby Atmos
Mikrofon	2x, Array
Kamera	5.0MP + IR with Privacy Shutter and Computer Vision Human Presence Detection on ISP
Akku	90Wh
Stromversorgung	140W USB-C GaN (3-pin)

Software, Sicherheit & Garantie

Betriebssystem	Windows 11 Pro, German
Mitgelieferte Software	Lenovo AI Now + Intel Connectivity Performance Suite
Sicherheits-Chip	Discrete TPM 2.0 Enabled
Physische Sicherung	Kensington Nano Security Slot, 2.5 x 6 mm
Fingerabdruckscanner	Touch Style, Match-on-Chip, Integrated in Power Button
Weitere Sicherheit	Bottom cover tamper detection Camera privacy shutter Computer Vision-based User Presence Sensing on Image Signal Processor (ISP) IR camera for Windows Hello (facial recognition)
System-Management	Non-vPro
Herstellergarantie	3-year, Courier or Carry-in with 1-year Battery
Garantie-Upgrade	3Y Premier TP WS WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)
Mitgeliefertes Zubehoer	None
Zertifizierungen	ENERGY STAR 9.0 EPEAT Gold Registered RoHS compliant TCO Certified, generation 10
Militaerstandard	MIL-STD-810H military test passed

EAN / UPC / JAN	0199275348174
Support-Ende	2032-04-25
Ankuendigungsdatum	2026-02-14