

Lenovo ThinkPad P1 Gen 8

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Lenovo PSREF-Modell: 21Q8003PGE



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, 64GB LPCAMM2 LPDDR5X-7467, 1TB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0, NVIDIA RTX PRO 2000 Blackwell Generation 8GB GDDR7 Laptop GPU, Windows 11 Pro, German, Case color - Black, CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects), 3Y Premier Support Plus for AIPC upgrade from 3Y Courier/Carry-in.

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 2000 Blackwell Generation 8GB GDDR7 Laptop GPU
Chipsatz	Intel SoC Platform

Speicher & Laufwerke

Arbeitsspeicher (RAM)	64GB LPCAMM2 LPDDR5X-7467
RAM-Steckplaetze	One LPCAMM2 connector, dual-channel
Max. Arbeitsspeicher	Up to 64GB (1x 64GB LPCAMM2), upgradable
Festplatte (Storage)	1TB 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" WQUXGA (3840x2400) IPS 800nits Anti-glare, 100% DCI-P3, 60Hz, DisplayHDR 400, Dolby Vision, Eyesafe, TÜV Low Blue Light
Touchscreen	None
Farbkalibrierung	X-Rite Factory Color Calibration
Stifteingabe	Pen Not Supported
Tastatur	Backlit, German
Gehaeusefarbe	Black
Gehaeusematerial	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	CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects), 3Y Premier Support Plus for AIPC upgrade from 3Y Courier/Carry-in
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	0199275348167
Support-Ende	2032-04-25
Ankuendigungsdatum	2026-02-14