

Lenovo ThinkPad P16 Gen 3

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Lenovo PSREF-Modell: 21RQ003SGE



Lenovo ThinkPad P16 Gen 3: Intel Core Ultra 7 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB Intel Smart Cache, 2x 32GB SODIMM DDR5-5600 Non-ECC, 1TB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0, NVIDIA RTX PRO 3000 Blackwell Generation 12GB 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 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB Intel Smart Cache
KI-PC-Kategorie	AI-Ready Workstations
NPU (KI-Beschleuniger)	Integrated Intel AI Boost, up to 13 TOPS
Grafikkarte	NVIDIA RTX PRO 3000 Blackwell Generation 12GB GDDR7 Laptop GPU
Chipsatz	Intel WM880 Chipset

Speicher & Laufwerke

Arbeitsspeicher (RAM)	2x 32GB SODIMM DDR5-5600 Non-ECC
RAM-Steckplaetze	Four DDR5 SODIMM slots, dual-channel capable
Max. Arbeitsspeicher	Models with ECC memory: Up to 128GB (4x 32GB SODIMM DDR5-5600 ECC) Models with Non-ECC memory: Up to 192GB (4x 48GB SODIMM DDR5-5600 Non-ECC)
Festplatte (Storage)	1TB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0
M.2-Steckplaetze	Three M.2 slots <ul style="list-style-type: none"> • One M.2 2280 PCIe 5.0 x4 slot • Two M.2 2280 PCIe 4.0 x4 slots
Max. Festplattenkapazitaet	Up to three M.2 2280 Gen 5 Performance SSD; up to 12TB, 4TB each
Kartenleser	SD Express 8.0 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)	362 x 252 x 15.8 / 20.9 (front / rear), 29.8 (maximum) mm 14.25 x 9.92 x 0.62 / 0.82 (front / rear), 1.17 (maximum) inches
Gewicht	Starting at 2.54 kg (5.6 lbs)

Konnektivitaet & Multimedia

WLAN + Bluetooth	Intel Wi-Fi 7 BE200, 802.11be 2x2 + BT5.4
Mobilfunk (WWAN)	WWAN Upgradable to 5G
SIM-Karte	No SIM card included (nano-SIM card slot available)
Ethernet	1x 2.5GbE RJ-45
NFC	No NFC
Standard-Anschlusse	1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On 1x USB-A (USB 10Gbps / USB 3.2 Gen 2) 2x Thunderbolt 5, with DisplayPort 2.1 and USB PD 3.1, 180W input / 15W output 1x Thunderbolt 4, with DisplayPort 2.1 and USB PD 3.1, 180W input / 15W output 1x HDMI 2.1, up to 8K/60Hz 1x Headphone / microphone combo jack (3.5mm) 1x Ethernet (2.5GbE RJ-45) 1x SD Express 8.0 card reader 1x Kensington Nano Security Slot

Optionale Anschlüsse	1x Nano-SIM Card Slot
Docking	Various docking solutions supported via Thunderbolt / USB-C. For more compatible docking solutions, please visit Docking for ThinkPad P16 Gen 3
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	99.9Wh
Stromversorgung	180W USB-C GaN (3-pin)

Software, Sicherheit & Garantie

Betriebssystem	Windows 11 Pro, German
Mitgelieferte Software	Lenovo AI Now
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	Camera privacy shutter (camera models) Computer Vision-based User Presence Sensing on Image Signal Processor (ISP)
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	0199274156077
Support-Ende	2032-04-09
Ankuendigungsdatum	2025-12-09