

## Lenovo ThinkPad P16v Gen 3 (Intel)

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Lenovo PSREF-Modell: 21RS004RGE



Lenovo ThinkPad P16v Gen 3 (Intel): Intel Core Ultra 9 285H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.4GHz, 24MB Intel Smart Cache, 2x 32GB CSODIMM DDR5-6400 Non-ECC, 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, 1Y Premier Support from 3Y Depot Windchill bundles (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects).

### Leistung & Architektur

<b>Prozessor</b>	Intel Core Ultra 9 285H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.4GHz, 24MB Intel Smart Cache
<b>KI-PC-Kategorie</b>	AI-Ready Workstations
<b>NPU (KI-Beschleuniger)</b>	Integrated Intel AI Boost, up to 13 TOPS
<b>Grafikkarte</b>	NVIDIA RTX PRO 2000 Blackwell Generation 8GB GDDR7 Laptop GPU
<b>Chipsatz</b>	Intel SoC Platform

### Speicher & Laufwerke

<b>Arbeitsspeicher (RAM)</b>	2x 32GB CSODIMM DDR5-6400 Non-ECC
<b>RAM-Steckplaetze</b>	Two DDR5 SODIMM / CSODIMM slots, dual-channel capable
<b>Max. Arbeitsspeicher</b>	Up to 96GB (2x 48GB DDR5 CSODIMM)
<b>Festplatte (Storage)</b>	1TB SSD M.2 2280 PCIe 5.0x4 Performance NVMe Opal 2.0
<b>M.2-Steckplaetze</b>	Two M.2 2280 PCIe 4.0 x4 slots
<b>Max. Festplattenkapazitaet</b>	Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each
<b>Kartenleser</b>	SD Express 7.0 Card Reader

### Display & Design

<b>Display</b>	16" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, Low Power, Eyesafe, TÜV Low Blue Light
<b>Touchscreen</b>	None
<b>Farbkalibrierung</b>	AICCP Color Calibration
<b>Stifteingabe</b>	Pen Not Supported
<b>Tastatur</b>	Backlit, German
<b>Gehäusefarbe</b>	Black
<b>Gehäusematerial</b>	Aluminium (Top), PC-ABS (Bottom)
<b>Abmessungen (BxTxH)</b>	361.5 x 248.6 x 12.8 / 19.55 (front / rear), 26.3 (maximum) mm 14.23 x 9.79 x 0.50 / 0.77 (front / rear), 1.04 (maximum) inches
<b>Gewicht</b>	Around 2.1 kg (4.6 lbs)

## Konnektivitaet & Multimedia

<b>WLAN + Bluetooth</b>	Intel Wi-Fi 7 BE201, 802.11be 2x2 + BT5.4, vPro
<b>Mobilfunk (WWAN)</b>	WWAN Not Supported
<b>SIM-Karte</b>	No SIM card included (nano-SIM card slot available)
<b>Ethernet</b>	100/1000M (RJ-45), vPro
<b>NFC</b>	No NFC
<b>Standard-Anschluesse</b>	1x USB-A (USB 5Gbps / USB 3.2 Gen 1) 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On 2x Thunderbolt 4, with USB PD 3.1, 140W input / 15W output 1x HDMI 2.1, up to 8K/60Hz 1x Headphone / microphone combo jack (3.5mm) 1x Ethernet (GbE RJ-45) 1x SD Express 7.0 card reader 1x Kensington Nano Security Slot
<b>Optionale Anschluesse</b>	None
<b>Docking</b>	Various docking solutions supported via Thunderbolt / USB-C. For more compatible docking solutions, please visit Docking for ThinkPad P16v Gen 3 (Intel)

<b>Audio-Chip</b>	High Definition (HD) Audio, Realtek ALC3287 codec
<b>Lautsprecher</b>	Stereo speakers, 2W x2, Dolby Audio
<b>Mikrofon</b>	2x, Array
<b>Kamera</b>	5.0MP + IR with Privacy Shutter and Human Presence Detection
<b>Akku</b>	90Wh
<b>Stromversorgung</b>	140W USB-C GaN (3-pin)

## Software, Sicherheit & Garantie

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

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<b>EAN / UPC / JAN</b>	0199275566059
<b>Support-Ende</b>	2032-03-28
<b>Ankuendigungsdatum</b>	2026-02-21