



Lenovo ThinkPad P16 Gen 2

Hersteller **Lenovo** Hersteller-Art.-Nr. 21FBSG1601 Art.-Nr. 35137179300



KURZBESCHREIBUNG

Lenovo ThinkPad P16 Gen 2 - AI Workstation - 16" - Intel Core i7 - 13850HX - 64 GB RAM - 512 GB SSD x 2

LANGBESCHREIBUNG

Processor: Intel Core i7 13850HX, RAM: 64GB, Hard Drive: 1024GB SSD M.2, Screen size: 16", Resolution: 2560 x 1600, Graphics: NVIDIA RTX 4000 Ada, Intel UHD Graphics, Wireless: 4G upg., WiFi, OS: Windows 11 Pro, OS language: DE, Keyboard: DE, Warranty: 1 Year Carry-in Warranty

PRODUKTDDETAILS

GENERAL FEATURES

Product Type	Mobile workstation - 180-degree hinge design
AI Level	AI Workstation
Operating System	Windows 11 Pro
EU Data Act	https://www.lenovo.com/us/en/compliance/eu-data-act-transparency-declaration/

PROCESSOR

CPU	Intel Core i7 (13th Gen) 13850HX / 2.1 GHz
Max Turbo Speed	5.3 GHz
Number of Cores	20-core
Performance Cores	8
Efficient Cores	12
Cache	30 MB
Features	Integrated memory controller, Intel Smart Cache
Chipset	Intel WM790

RAM

RAM	64 GB (2 x 32 GB)
Max RAM Supported	192 GB
Technology	DDR5 SDRAM - non-ECC
Speed	4000 MT/s
Form Factor	SO-DIMM 262-pin
Rated Speed	5600 MT/s
Slots Qty	4
Empty Slots	2

STORAGE CAPACITY

Main Storage	2 x 512 GB SSD M.2 2280 PCIe 4.0 x4 - TCG Opal Encryption, Performance - Kioxia
Total Capacity	1.024 TB
RAID Level	RAID 0, RAID 1

DISPLAY

Type	16" - IPS
Resolution	2560 x 1600 (WQXGA)

Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	500 cd/m ²
Colour Gamut	100% sRGB
Features	Anti-glare, 83.4% screen-to-body ratio, Eyesafe technology, Low Blue Light technology, X-Rite factory colour calibration, DC dimming
V-Sync Rate at Max Res.	165 Hz
Horizontal Viewing Angle	+89 / -89
Vertical Viewing Angle	+89 / -89

KEYBOARD

Type	Keyboard, TrackPoint, UltraNav
Keyboard Backlight	Yes
Numeric Keypad	Yes
Features	Spill-resistant, multi-touch touchpad, Fn keys with Unified Communications controls, multimedia control

CONNECTIONS & INTERFACE

Interfaces Details	USB 3.2 Gen 1 (Always On) ; USB 3.2 Gen 1; USB-C 3.2 Gen 2 (Power Delivery 3.0) ; 2 x USB4 (supports Thunderbolt 4, DisplayPort 1.4 Alt Mode) (Power Delivery 3.0) ; HDMI (8K support) ; Headphone/microphone combo jack
Slots	2 x M.2 (PCI Express 4.0 x4) (0 available) ; 1 x Nano-SIM card (1 available)
Memory Card Reader	Yes (SD Express Card)

AUDIO & GRAPHICS

Graphics Processor	NVIDIA RTX 4000 Ada / Intel UHD Graphics
Camera	Yes - 1080p
Camera Features	Privacy shutter, Windows Hello, fixed focus, hybrid FHD/IR camera, Ultrasonic Human Presence Detection
Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC3306
Compliant Standards	High Definition Audio, Dolby Atmos
Multi-GPU Configuration	1 single GPU card / integrated GPU
Video Memory	12 GB GDDR6 SDRAM
Max Monitors Supported	3 external monitor(s)
Video System Features	Direct X 12 Ultimate, Vulkan Support, NVIDIA TXAA, NVIDIA FXAA
Audio Features	Input: Dolby Voice, far-field

BATTERY

Technology	6-cell lithium polymer
Capacity	94 Wh

POWER

Input	AC 100-240 V (50/60 Hz)
Output	230 Watt

NETWORK

Wireless	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3
Wireless Controller	Intel Wi-Fi 6E AX 211
Features	Dual stream (2x2)
Generation	4G upgradable

PHYSICAL DIMENSIONS

Dimensions (WxDxH)	36.4 cm x 26.6 cm x 3.023 cm
Weight	2.95 kg

HDD / SSD TOLERANCE

Min Operating Temperature	5 °C
Max Operating Temperature	35 °C
Humidity Range Operating	8 - 95%

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