Lenovo(21KX001DMB)

Lenovo ThinkPad P16v Gen 2 21KX - Intel Core Ultra 7 - 155H / up to 4.8 GHz - Win 11 Pro - RTX 2000 Ada - 32 GB RAM - 1 TB SSD TCG Opal Encryption 2, NVMe, Performance - 16" IPS 1920 x 1200 - Gigabit Ethernet - Wi-Fi 6E, Bluetooth - black - kbd: Belgium - with 1 Year Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)

The Lenovo ThinkPad P16v Gen 2 mobile workstation is designed for professionals who demand reliability and performance on the go. Featuring a 16-inch widescreen IPS display, this notebook offers exceptional image clarity and a broad viewing angle, making it perfect for both work and entertainment. At its heart, an Intel processor provides robust processing power, complemented by 32 GB of DDR5 RAM for seamless multitasking.

Storage is no issue with a 1 TB NVMe SSD, ensuring quick access to all your data and applications. Graphics are rendered beautifully thanks to the Intel Arc Graphics and NVIDIA RTX series, capable of supporting up to three monitors for a high-quality visual experience. The notebook is built to last, meeting stringent environmental and security standards, while offering advanced connectivity options including Wi-Fi 6E. Whether for work or play, the Lenovo ThinkPad P16v Gen 2 is a compelling choice for those who require performance and reliability.

Key Selling Points

16-inch IPS display with a 16:10 aspect ratio for expansive viewing
1 TB NVMe SSD for rapid storage and boot times
ENERGY STAR certified, ensuring energy efficiency
Integrated fingerprint reader for enhanced security
Supports SD Express 7.0 memory card for flexible storage options

Product Features

Enhanced audio experience
With Dolby Voice technology and dual array microphones, this notebook ensures crystal-clear audio input, while high definition audio compliant stereo speakers deliver an immersive listening experience.

Robust performance
Powered by an Intel processor with an integrated memory controller and equipped with 32 GB of DDR5 RAM, this mobile workstation offers high-speed processing and multitasking capabilities.

Superior graphics
Featuring both Intel Arc Graphics and NVIDIA RTX series, this notebook supports up to 3 monitors and includes advanced features like NVIDIA TXAA and Vulkan Support for a high-quality visual experience.

Durable and secure
Constructed with a polycarbonate ABS bottom and equipped with a Kensington nano security slot, this notebook meets rigorous RoHS, TCG, and TCO certified 9.0 standards for durability and security.

Advanced connectivity
Supports Wi-Fi 6E technology with dual stream (2x2) for faster and more reliable Internet connectivity, alongside a comprehensive range of ports including HDMI and USB 3.0.

Main Specifications

Product Description	Lenovo ThinkPad P16v Gen 2 - AI Ready - 16" - Intel Core Ultra 7 - 155H - 32 GB RAM - 1 TB SSD - Belgium
Product Type	Mobile workstation - AI Ready
Operating System	Win 11 Pro - Dutch / English / French / German
Processor	Intel Core Ultra 7 (Series 1) - 155H / 1.4 GHz, up to 4.8 GHz / 24 MB Cache
Memory	32 GB DDR5 (2 x 16 GB)
Storage	1 TB SSD - TCG Opal Encryption 2, NVMe, Performance
Display	16" 1920 x 1200 / WUXGA @ 60 Hz
Graphics	NVIDIA RTX 2000 Ada / Intel Arc Graphics
Video Memory	8 GB GDDR6 SDRAM

Input Device	Keyboard, TrackPoint, UltraNav
Keyboard	Belgium
Keyboard Backlight	Yes
Numeric Keypad	Yes
Integrated Webcam	Yes
Networking	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3, Gigabit Ethernet
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Colour	Black
Dimensions (WxDxH)	36.5 cm x 26.2 cm x 2.466 cm
Weight	2.22 kg
Localisation	Language: English, German, French, Dutch / region: Belgium
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	268 kg carbon emissions
Manufacturer Warranty	Base warranty - 3 years - pick-up and return ¦ Base warranty - battery - 1 year ¦ Extended warranty - 1 year - on-site - response time: next business day
Bundled Services	1 Year Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)

Extended Specification

General

Product Type	Mobile workstation - AI Ready
Operating System	Windows 11 Pro - Dutch / English / French / German

Memory

RAM	32 GB (2 x 16 GB)
Max RAM Supported	96 GB
Technology	DDR5 SDRAM - non-ECC
Speed	5600 MHz
Rated Speed	5600 MHz
Form Factor	SO-DIMM 262-pin
Slots Qty	2
Empty Slots	0

Manufacturer Warranty

Service & Support	Base warranty - 3 years - pick-up and return ¦ Base warranty - battery - 1 year ¦ Extended warranty - 1 year - on-site - response time: next business day
Bundled Services	1 Year Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)

Storage

Main Storage	1 TB SSD M.2 2280 PCIe 4.0 x4 - TCG Opal Encryption 2, NVM Express (NVMe), Performance
RAID Level	RAID 0, RAID 1

Miscellaneous

Colour	Black
Case Material	Polycarbonate ABS (bottom), polycarbonate ABS (top)
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Features	Administrator password, power-on password, RapidCharge, MIL-STD-810H tested, self-healing BIOS, NVMe password
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)

Security Slot Type	Kensington nano security slot
Included Accessories	Power adapter
Compliant Standards	RoHS, FIPS 140-2, TUV Rheinland Low Blue Light Certification, TCG Certified, TCO Certified 9.0
Localization	Language: English, German, French, Dutch / region: Belgium
Manufacturer Selling Program	Lenovo TopSeller

Environmental Parameters

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

Display

Type	16" - IPS
Resolution	1920 x 1200 (WUXGA)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	400 cd/m²
Horizontal Viewing Angle	+89 / -89
Vertical Viewing Angle	+89 / -89
Colour Gamut	100% sRGB
Features	Anti-glare, Low Blue Light technology, DC dimming, 83.9% screen-to-body ratio

Battery

Technology	Lithium polymer
Capacity	90 Wh

Communications

Wireless	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3
Wireless Controller	Intel Wi-Fi 6E AX 211
Network Interface	Gigabit Ethernet
Ethernet Controller	Intel I219-V
Features	Wake-on-LAN (WOL), dual stream (2x2)

Dimensions & Weight

Dimensions (WxDxH)	36.5 cm x 26.2 cm x 2.466 cm
Weight	2.22 kg

Processor / Chipset

CPU	Intel Core Ultra 7 (Series 1) 155H / 1.4 GHz
Max Turbo Speed	4.8 GHz
Number of Cores	16-core
Cache	24 MB
Features	Integrated memory controller, Intel AI Boost NPU

Audio & Video

Multi-GPU Configuration	1 single GPU card / integrated GPU
Graphics Processor	NVIDIA RTX 2000 Ada / Intel Arc Graphics
Video Memory	8 GB GDDR6 SDRAM
Max Monitors Supported	3 external monitor(s)
Video System Features	NVIDIA TXAA, Direct X 12 Ultimate, Vulkan Support, NVIDIA FXAA

Camera	Yes
Resolution	5 Megapixel
Camera Features	Privacy shutter, IR camera, Windows Hello, fixed focus, Ultrasonic Human Presence Detection
Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC3287
Compliant Standards	High Definition Audio, Dolby Audio Premium
Audio Features	Input: Dolby Voice, far-field

Input

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

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	170 Watt

Connections & Expansion

Slots	2 x M.2 (PCI Express 4.0 x4) (1 free)
Interfaces Details	USB 3.2 Gen 1 (Always On) ¦ 2 x USB4 (supports Thunderbolt 4, DisplayPort 2.1 Alt Mode) (Power Delivery 3.0) ¦ HDMI (8K support) ¦ Headphone/microphone combo jack ¦ LAN
Memory Card Reader	Yes (SD Express Card)

Sustainability Information

TCO Certified	-
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	268 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	45
PAIA Version	1.4.0
Packaging Recycled Content	90 % - plastic-free