

## Lenovo ThinkPad X13 Gen 6 (21RK004MMB)

Lenovo ThinkPad X13 Gen 6 21RK - Intel Core Ultra 5 - 225U / up to 4.8 GHz - Win 11 Pro - Intel Graphics - 16 GB RAM - 512 GB SSD TCG Opal Encryption 2, NVMe - 13.3" IPS 1920 x 1200 - NFC, Wi-Fi 6E, Bluetooth - black - kbd: Belgium - with 1 Year Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)



The Lenovo ThinkPad X13 Gen 6 is designed for professionals seeking performance and reliability, featuring a 13.3-inch WUXGA display with a resolution of 1920 x 1200 for clear and vibrant visuals. Its image brightness of 400 cd/m<sup>2</sup> ensures that content is easily viewable in various lighting conditions, complemented by an anti-glare feature that enhances user comfort. With Dolby Atmos support and high definition audio standards, this device delivers an immersive sound experience suitable for multimedia applications and video conferencing. Powered by the Intel Core Ultra 5 processor and equipped with 12 cores, the laptop turbo speeds of 4.8 GHz. The integrated memory controller enhances performance, while the LPDDR5X SDRAM ensures efficient data handling with a data transfer rate of 8400 MT/s. Additionally, the hard drive features TCG Opal Encryption 2 and NVMe technology, promising fast data access and improved security. Security features include a fingerprint reader and a Discrete Trusted Platform Module (TPM 2.0) security chip, reinforcing data protection. The device also meets MIL-STD-810H testing standards, demonstrating its ruggedness. With two USB-C Thunderbolt 4 ports that support power delivery and 4K output, along with a comprehensive range of interfaces, the Lenovo ThinkPad X13 Gen 6 is well-equipped to meet diverse connectivity needs for busy professionals.

## Key Selling Points

- 13.3-inch WUXGA display with 1920 x 1200 resolution and anti-glare technology
- Intel Core Ultra 5 processor with 12-core performance for powerful multitasking
- High definition audio with Dolby Atmos for immersive sound experience
- Includes a fingerprint reader and a TPM 2.0 security chip for enhanced security
- MIL-STD-810H tested for ruggedness and reliability

## Product Features

### Vivid display

The 13.3-inch display features a native resolution of 1920 x 1200, providing sharp clarity and vibrant colors, complemented by an anti-glare surface that minimizes reflections.

### Robust performance

Equipped with an Intel Core Ultra 5 processor and 12 cores, the laptop delivers exceptional performance, capable of turbo speeds up to 4.8 GHz, making it suitable for demanding tasks.

### Advanced audio

Enjoy a high-quality audio experience with Dolby Atmos support and high definition audio compliance, ensuring clear and immersive sound for video calls and multimedia.

### Enhanced security

The inclusion of a fingerprint reader and a Discrete Trusted Platform Module (TPM 2.0) security chip ensures robust protection of sensitive data against unauthorized access.

### Excellent connectivity

Featuring multiple USB-C Thunderbolt 4 ports and a variety of other interfaces, the device offers versatile connectivity options, enhancing its usability for different devices and setups.

## Main Specifications

Product Description	Lenovo ThinkPad X13 Gen 6 - AI PC - 13.3" - Intel Core Ultra 5 - 225U - 16 GB RAM - 512 GB SSD - Belgium
Product Type	Notebook - AI PC
Operating System	Win 11 Pro - Dutch / English / French / German
Processor	Intel Core Ultra 5 (Series 2) - 225U / 1.5 GHz, up to 4.8 GHz / 12 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost - up to 12 TOPS
Memory	16 GB LPDDR5X (provided memory is soldered)
Storage	512 GB SSD - TCG Opal Encryption 2, NVMe
Display	13.3" 1920 x 1200 / WUXGA @ 60 Hz
Graphics	Intel Graphics
Input Device	TrackPoint, UltraNav
Keyboard	Belgium
Keyboard Backlight	Yes
Integrated Webcam	Yes
Networking	NFC, 802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3

Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader
Colour	Black
Dimensions (WxDxH)	29.93 cm x 20.7 cm x 1.815 cm
Weight	962 g
Localisation	Language: English, French, German, Dutch / region: Belgium
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	TCO Certified, generation 10, for notebooks, ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	162 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	Notebook
AI Level	AI PC
Operating System	Windows 11 Pro - Dutch / English / French / German

### Memory

RAM	16 GB (provided memory is soldered)
Technology	LPDDR5X SDRAM
Speed	8400 MT/s
Rated Speed	8533 MT/s

### 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	512 GB SSD M.2 2280 PCIe 4.0 x4 - TCG Opal Encryption 2, NVMe Express (NVMe)
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### Miscellaneous

Colour	Black
Case Material	Aluminium (bottom), carbon fibre hybrid (top)
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader
Features	Administrator password, system password, power-on password, RapidCharge, MIL-STD-810H tested, self-healing BIOS, NVMe password, certificate based BIOS authentication, FIDO (Fast Identity Online) authentication
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington nano security slot
Included Accessories	USB-C GaN power adapter
Compliant Standards	RoHS, Energy-Related Products (ErP) Lot 6, TCG Certified, Energy-Related Products (ErP) Lot 26, FIPS 140-3, Eyesafe Certified 2.0
Localization	Language: English, French, German, 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%
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## Display

Type	13.3" - 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/m <sup>2</sup>
Horizontal Viewing Angle	+85 / -85
Vertical Viewing Angle	+85 / -85
Colour Gamut	100% sRGB
Features	Anti-glare, Eyesafe technology, 87.8% screen-to-body ratio

## Battery

Technology	Lithium polymer
Capacity	54.7 Wh

## Communications

Wireless	NFC, 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)

## Dimensions & Weight

Dimensions (WxDxH)	29.93 cm x 20.7 cm x 1.815 cm
Weight	962 g

## Processor / Chipset

CPU	Intel Core Ultra 5 (Series 2) 225U / 1.5 GHz
Max Turbo Speed	4.8 GHz
Number of Cores	12-core
Performance Cores	2
Efficient Cores	10
Cache	12 MB
Features	Integrated memory controller

## Audio & Video

Graphics Processor	Intel Graphics
Max Monitors Supported	3 external monitor(s)
Video System Features	DirectX 12.2
Camera	Yes
Resolution	5 Megapixel
Camera Features	Privacy shutter, Windows Hello, fixed focus, Temporal Noise Reduction, Discrete IR, Computer Vision on Image Signal Processor (ISP)
Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC3287
Compliant Standards	High Definition Audio, Dolby Atmos
Audio Features	Input: Dolby Voice, 360° far-field

## Input

Type	Keyboard, TrackPoint, UltraNav
Keyboard Backlight	Yes
Keyboard Layout	Belgium
Features	Multimedia control, spill-resistant, multi-touch touchpad, Copilot key

## AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	65 Watt

## Connections & Expansion

Slots	1 x Nano-SIM card (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 (4K support)   Headphone/microphone combo jack

## Wireless Broadband (WWAN)

Generation	4G upgradable
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## Sustainability Information

TCO Certified	- TCO Certified, generation 10, for notebooks
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	162 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	27
PAIA Version	1.4.7
Packaging Recycled Content	Plastic-free

## Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	12 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

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