

## Lenovo ThinkPad X1 Carbon Gen 12 21KC(21KC004TMB)

**Lenovo ThinkPad X1 Carbon Gen 12 21KC - 180-degree hinge design - Intel Core Ultra 7 - 155U / up to 4.8 GHz - Evo - Win 11 Pro - Intel Graphics - 32 GB RAM - 1 TB SSD TCG Opal Encryption 2, NVMe, Performance - 14" IPS 1920 x 1200 - Wi-Fi 6E, Bluetooth - 5G - black paint - kbd: Belgium - with 3 Years Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)**



Discover the Lenovo ThinkPad X1 Carbon Gen 12, a notebook designed for professionals who demand performance and portability. This device features a 14-inch anti-glare display with Eyesafe technology, ensuring long hours of work or play are comfortable on the eyes. The audio experience is elevated with Dolby Voice and Dolby Atmos compliant stereo speakers, making every meeting and multimedia content more engaging.

Security is paramount, and the ThinkPad X1 Carbon Gen 12 delivers with a Discrete Trusted Platform Module (TPM 2.0) security chip, fingerprint reader, and a range of password and authentication measures to protect your data. Connectivity is versatile, with USB4/Thunderbolt 4, HDMI, and more, facilitating seamless integration with your workspace. Built to last, its carbon fiber and aluminum construction meets MIL-STD-810H standards, ensuring durability in any setting, while also adhering to stringent environmental standards. With these features and more, the Lenovo ThinkPad X1 Carbon Gen 12 stands out as a smart choice for business professionals.

## Key Selling Points

- 14-inch anti-glare display with Eyesafe technology for comfortable viewing
- Dolby Voice and Dolby Atmos compliant audio for an immersive sound experience
- Comprehensive security with TPM 2.0, fingerprint reader, and self-healing BIOS
- Multiple high-speed connectivity options including USB4/Thunderbolt 4 and HDMI
- Environmentally sustainable design with MIL-STD-810H durability

## Product Features

### Enhanced audio experience

Equipped with Dolby Voice and dual array microphones, this notebook ensures clear and crisp audio capture, while stereo speakers powered by Realtek ALC3306 and compliant with Dolby Atmos standards deliver an immersive listening experience.

### Superior display technology

The 14-inch anti-glare display features Eyesafe technology to reduce eye strain, alongside a raised bezel and an impressive 89.2% screen-to-body ratio. With horizontal and vertical viewing angles of +85 / -85 degrees, enjoy vibrant visuals without compromise.

### Robust security features

From the Discrete Trusted Platform Module (TPM 2.0) security chip to FIDO authentication and a self-healing BIOS, this notebook offers comprehensive security solutions. The addition of a fingerprint reader enhances user access security, ensuring data protection.

### Advanced connectivity options

With a range of interfaces including USB 3.2 Gen 1, USB4/Thunderbolt 4/DisplayPort 2.1 with 4K support, and HDMI, connectivity is versatile and powerful. The inclusion of USB Power Delivery via USB-C ports adds to the convenience and utility of the device.

### Durable and sustainable design

Constructed with a carbon fiber top and aluminum bottom, the notebook is not only durable but also lightweight. It meets rigorous standards such as MIL-STD-810H, ensuring reliability in various environments. Additionally, it's compliant with multiple environmental standards, highlighting Lenovo's commitment to sustainability.

## Main Specifications

Product Description	Lenovo ThinkPad X1 Carbon Gen 12 - AI Ready - 14" - Intel Core Ultra 7 - 155U - Evo - 32 GB RAM - 1 TB SSD - 5G - Belgium
Product Type	Notebook - AI Ready - 180-degree hinge design
Operating System	Win 11 Pro - Dutch / English / French / German
Platform Technology	Intel Evo
Processor	Intel Core Ultra 7 (Series 1) - 155U / 1.7 GHz, up to 4.8 GHz / 12 MB Cache
Memory	32 GB LPDDR5X (provided memory is soldered)
Storage	1 TB SSD - TCG Opal Encryption 2, NVMe, Performance

Display	14" 1920 x 1200 / WUXGA @ 60 Hz
Graphics	Intel Graphics
Input Device	TrackPoint, UltraNav
Keyboard	Belgium
Keyboard Backlight	Yes
Integrated Webcam	Yes
Networking	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3
Wireless Broadband (WWAN)	5G
Service Provider	Service not included
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Colour	Black paint
Dimensions (WxDxH)	31.28 cm x 21.475 cm x 1.496 cm
Weight	1.09 kg
Localisation	Language: English, German, French, Dutch / region: Belgium
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	ENERGY STAR Qualified EPEAT Gold
Manufacturer Warranty	Base warranty - 3 years - pick-up and return † Base warranty - battery - 1 year † Extended warranty - 3 years - on-site - response time: next business day
Bundled Services	3 Years Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)

## Extended Specification

### General

Product Type	Notebook - AI Ready - 180-degree hinge design
Operating System	Windows 11 Pro - Dutch / English / French / German

### Memory

RAM	32 GB (provided memory is soldered)
Technology	LPDDR5X SDRAM
Speed	6400 MHz
Rated Speed	7500 MHz

### Manufacturer Warranty

Service & Support	Base warranty - 3 years - pick-up and return † Base warranty - battery - 1 year † Extended warranty - 3 years - on-site - response time: next business day
Bundled Services	3 Years 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, NVMe Express (NVMe), Performance
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### Miscellaneous

Colour	Black paint
Case Material	Aluminium (bottom), carbon fibre (top)
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint 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 slim power adapter

Compliant Standards	RoHS, FIPS 140-2, Energy-Related Products (ErP) Lot 6, TCG Certified, Energy-Related Products (ErP) Lot 26, TCO Certified 9.0, Eyesafe Certified 2.0
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%

#### Software

Software Included	Intel Connectivity Performance Suite
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#### Display

Type	14" - 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, Low Power, Eyesafe technology, 89,2% screen-to-body ratio

#### Battery

Technology	Lithium polymer
Capacity	57 Wh

#### Communications

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)

#### Dimensions & Weight

Dimensions (WxDxH)	31.28 cm x 21.475 cm x 1.496 cm
Weight	1.09 kg

#### Processor / Chipset

CPU	Intel Core Ultra 7 (Series 1) 155U / 1.7 GHz
Max Turbo Speed	4.8 GHz
Number of Cores	12-core
Cache	12 MB
Platform Technology	Intel Evo
Features	Integrated memory controller

#### Audio & Video

Graphics Processor	Intel Graphics
Max Monitors Supported	3 external monitor(s)
Camera	Yes - 1080p
Camera Features	Privacy shutter, Windows Hello, fixed focus, Discrete IR, Ultrasonic Human Presence Detection

Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC3306
Compliant Standards	High Definition Audio, Dolby Atmos
Audio Features	Input: Dolby Voice, far-field

#### Input

Type	Keyboard, TrackPoint, UltraNav
Keyboard Backlight	Yes
Keyboard Layout	Belgium
Features	Spill-resistant, multi-touch touchpad, glass touchpad, air intake key design, haptic touchpad

#### 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   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	5G
Controller	Quectel RM520N-GL - M.2 Card
Service Provider	Service not included

#### Sustainability Information

TCO Certified	-
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes

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