

Lenovo ThinkBook 16p G5 IRX 21N5(21N5001SMB)

Lenovo ThinkBook 16p G5 IRX 21N5 - 180-degree hinge design - Intel Core i9 - i9-14900HX / up to 5.8 GHz - Win 11 Pro - GeForce RTX 4060 - 32 GB RAM - 1 TB SSD NVMe - 16" IPS 2560 x 1600 (WQXGA) - Wi-Fi 6E, Bluetooth - dual tone storm grey - kbd: Belgium - with 2 Years Lenovo Depot Support, CO2 Offset 0.5 ton (2nd Gen)



Discover the Lenovo ThinkBook 16p G5 IRX, a notebook that combines performance, security, and connectivity to meet the demands of modern professionals. With its 16-inch Dolby Vision IPS display and anti-glare technology, it offers an exceptional viewing experience, perfect for both work and entertainment. The smart noise-canceling dual array microphones and Harman Kardon audio technology provide an advanced audio experience, making every video call and multimedia session more engaging. Security is paramount, featuring a firmware TPM 2.0 chip, fingerprint reader, and self-healing BIOS to protect your data. High-speed connectivity is ensured with Wi-Fi 6E and Bluetooth 5.3, along with versatile USB4/Thunderbolt 4 ports for all your peripherals. Powered by a 14th generation Intel processor and NVIDIA GeForce RTX 4060 graphics, this notebook delivers the performance needed to power through tasks and creativity. Whether for business or pleasure, the Lenovo ThinkBook 16p G5 IRX is designed to elevate your computing experience.

Key Selling Points

- 16-inch IPS display with Dolby Vision and anti-glare technology
- Dual array microphones with smart noise-canceling
- Wi-Fi 6E and Bluetooth 5.3 for high-speed connectivity
- NVIDIA GeForce RTX 4060 for superior graphics performance
- Robust security with TPM 2.0, fingerprint reader, and self-healing BIOS

Product Features

Advanced audio experience

Equipped with smart noise-canceling dual array microphones and Harman Kardon audio technology, this notebook delivers an immersive audio experience with Dolby Atmos compliant standards, ensuring crystal-clear communication and cinematic sound quality.

Exceptional display quality

Featuring a 16-inch LED IPS display with Dolby Vision and Eyesafe technology, this notebook offers a stunning visual experience. The anti-glare, Delta E<1 calibration, and X-Rite factory color calibration ensure accurate colors and comfortable viewing for extended periods.

Robust security features

With a firmware Trusted Platform Module (TPM 2.0) security chip, fingerprint reader, and self-healing BIOS, this notebook provides enhanced security to protect your data. Additional features like administrator, hard drive, and power-on passwords offer multiple layers of protection.

High-speed connectivity

This notebook supports Wi-Fi 6E and Bluetooth 5.3 standards for fast and reliable wireless connectivity. With USB4/Thunderbolt 4/DisplayPort 1.4 interfaces, it offers versatile connection options, including 8K support and power delivery.

Powerful performance

Powered by a 14th generation Intel processor with integrated memory controller and NVIDIA GeForce RTX 4060 graphics, this notebook is designed for high performance. The DDR5 SDRAM and NVMe SSD ensure quick boot times and responsive applications.

Main Specifications

Product Description	Lenovo ThinkBook 16p G5 IRX - 16" - Intel Core i9 - i9-14900HX - 32 GB RAM - 1 TB SSD - Belgium
Product Type	Notebook - 180-degree hinge design
Operating System	Win 11 Pro - Dutch / English / French / German
Processor	Intel Core i9 (14th Gen) - i9-14900HX / 2.2 GHz, up to 5.8 GHz / 36 MB Cache
Memory	32 GB DDR5 (2 x 16 GB)
Storage	1 TB SSD - NVMe
Display	16" 2560 x 1600 / WQXGA @ 60 Hz

Graphics	NVIDIA GeForce RTX 4060 / Intel UHD Graphics
Video Memory	8 GB GDDR6 SDRAM
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
Battery	Up to 6.2 hours
Features	Ambient light sensor
Security	Firmware Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Colour	Dual tone storm grey
Dimensions (WxDxH)	35.46 cm x 25.82 cm x 1.99 cm
Weight	2.2 kg
Localisation	Language: English, German, French, Dutch / region: Belgium
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	333 kg carbon emissions
Manufacturer Warranty	Base warranty - 1 year - pick-up and return Extended warranty - 2 years - pick-up and return
Bundled Services	2 Years Lenovo Depot Support, CO2 Offset 0.5 ton (2nd Gen)

Extended Specification

General

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

Memory

RAM	32 GB (2 x 16 GB)
Max RAM Supported	32 GB
Technology	DDR5 SDRAM
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 - 1 year - pick-up and return Extended warranty - 2 years - pick-up and return
Bundled Services	2 Years Lenovo Depot Support, CO2 Offset 0.5 ton (2nd Gen)

Storage

Main Storage	1 TB SSD M.2 2280 PCIe 4.0 x4 - NVMe Express (NVMe)
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Miscellaneous

Colour	Dual tone storm grey
Case Material	Aluminium (top), aluminium (bottom)
Surface Finish	Anodising sandblasting
Integrated Options	Ambient light sensor
Security	Firmware Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader

Features	Administrator password, hard drive password, power-on password, Rapid Charge Pro, Modern Standby, self-healing BIOS, LA3 AI Chip
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington nano security slot
Included Accessories	Power adapter
Compliant Standards	RoHS, Energy-Related Products (ErP) Lot 6, FSC, Energy-Related Products (ErP) Lot 26, TUV Rheinland Low Blue Light (Hardware Solution), 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	Microsoft Office (Trial)
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Display

Type	16" - IPS
Resolution	2560 x 1600 (WQXGA)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	400 cd/m ²
Horizontal Viewing Angle	+89 / -89
Vertical Viewing Angle	+89 / -89
Colour Gamut	100% sRGB
Features	Anti-glare, Delta E<1 calibration, Eyesafe technology, Dolby Vision, Smart sense panel, X-Rite factory colour calibration

Battery

Technology	Lithium polymer
Capacity	80 Wh
Run Time	Up to 6.2 hours

Communications

Wireless	802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.3
Wireless Controller	M.2 Card
Features	Dual stream (2x2)

Dimensions & Weight

Dimensions (WxDxH)	35.46 cm x 25.82 cm x 1.99 cm
Weight	2.2 kg

Processor / Chipset

CPU	Intel Core i9 (14th Gen) i9-14900HX / 2.2 GHz
Max Turbo Speed	5.8 GHz
Number of Cores	24-core
Cache	36 MB
Chipset	Intel HM770
Features	Integrated memory controller

Audio & Video

Multi-GPU Configuration	1 single GPU card / integrated GPU
Graphics Processor	NVIDIA GeForce RTX 4060 / Intel UHD Graphics
Video Memory	8 GB GDDR6 SDRAM
Max Monitors Supported	3 external monitor(s)
Video System Features	Advanced Optimus, Dynamic Boost 2.0, Direct X 12 Ultimate, NVIDIA DLSS 3
Camera	Yes - 1080p
Camera Features	Privacy shutter, Windows Hello, fixed focus, hybrid FHD/IR camera
Sound	Two tweeters, two woofers, dual array microphone
Codec	Realtek ALC3306-CG
Compliant Standards	High Definition Audio, Dolby Atmos
Audio Features	Output: Harman audio technology; Input: smart noise-cancelling

Input

Type	Keyboard, touchpad
Keyboard Backlight	Yes
Keyboard Layout	Belgium
Numeric Keypad	Yes
Features	Spill-resistant, multi-touch touchpad, buttonless touchpad, precision touchpad, glass touchpad

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	300 Watt

Connections & Expansion

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

Sustainability Information

TCO Certified	-
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	333 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	61
PAIA Version	1.4.0

*TD SYNEX is not responsible for errors in the documentation of products.