

Lenovo ThinkPad T16 Gen 4 - 16" - Intel Core Ultra 5 - 225U - 16 GB RAM - 512 GB SSD - UK (21QE002UUK)

Lenovo ThinkPad T16 Gen 4 21QE - 180-degree hinge design - 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 - 16" IPS 1920 x 1200 - Gigabit Ethernet - Wi-Fi 6E, Bluetooth - black - kbd: UK - with 1 Year Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)



The Lenovo ThinkPad T16 Gen 4 is designed to enhance productivity and collaboration for professionals on the go. Featuring a 16-inch WUXGA display with a resolution of 1920 x 1200, users can enjoy vibrant visuals with an anti-glare feature that reduces distractions. The device is equipped with stereo speakers that deliver high-definition audio and Dolby Audio, providing an immersive sound experience during work or leisure. With a robust and durable build, certified to MIL-STD-810H standards, this notebook can withstand daily use in various environments.

Incorporating security features, including a fingerprint reader and a Discrete Trusted Platform Module (TPM 2.0) security chip, the ThinkPad T16 Gen 4 ensures that sensitive information remains protected. Connectivity is flexible with multiple USB-C ports, HDMI, and Thunderbolt 4 support, enabling users to connect to various devices easily. The Lenovo ThinkPad T16 Gen 4 is powered by an Intel Core Ultra 5 processor and comes with DDR5 RAM, ensuring performance for multitasking and demanding applications.

Key Selling Points

- 16-inch WUXGA display for clear and vibrant visuals
- MIL-STD-810H certified for durability and reliability
- Comprehensive security features including fingerprint reader
- Multiple connectivity options for versatile use
- Enhanced audio experience with Dolby Audio technology

Product Features

- High-quality audio output**  
Equipped with high-definition audio standards and Dolby Audio, the stereo speakers offer sound clarity, enhancing multimedia experiences during video calls or media playback.
- Brilliant display technology**  
The 16-inch LED display has a resolution of 1920 x 1200 with an IPS panel, providing color consistency and viewing angles, as well as an anti-glare coating for comfortable viewing.
- Optimized performance**  
Powered by an Intel Core Ultra 5 processor and DDR5 RAM, the Lenovo ThinkPad T16 Gen 4 facilitates smooth multitasking and efficient processing for various applications.
- Robust security features**  
Incorporates a fingerprint reader and a Discrete Trusted Platform Module (TPM 2.0) to provide secure authentication and protect sensitive data.
- Versatile connectivity options**  
Offers an array of ports including USB-C, HDMI, and Thunderbolt 4 for seamless device connections, while USB Power Delivery ensures efficient charging and data transfer.

Main Specifications

Product Description	Lenovo ThinkPad T16 Gen 4 - 16" - Intel Core Ultra 5 - 225U - 16 GB RAM - 512 GB SSD - UK
Product Type	Notebook - 180-degree hinge design
Operating System	Win 11 Pro - English
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 DDR5 (2 x 8 GB)

Storage	512 GB SSD - TCG Opal Encryption 2, NVMe
Display	16" 1920 x 1200 / WUXGA @ 60 Hz
Graphics	Intel Graphics
Input Device	TrackPoint, UltraNav
Keyboard	UK
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, smart card reader
Colour	Black
Dimensions (WxDxH)	35.97 cm x 25.08 cm x 2.365 cm
Weight	1.76 kg
Localisation	Language: English / region: United Kingdom
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	TCO Certified, generation 10, for notebooks, ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	193 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 - 180-degree hinge design
Operating System	Windows 11 Pro - English

### Memory

RAM	16 GB (2 x 8 GB)
Max RAM Supported	64 GB
Technology	DDR5 SDRAM
Speed	5600 MT/s
Rated Speed	5600 MT/s
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	512 GB SSD M.2 2280 PCIe 4.0 x4 - TCG Opal Encryption 2, NVM Express (NVMe)
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### Miscellaneous

Colour	Black
Case Material	Polycarbonate (bottom), carbon fibre (top), polycarbonate (top), carbon fibre (bottom)
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 power adapter
Compliant Standards	RoHS, Energy-Related Products (ErP) Lot 6, TCG Certified, Energy-Related Products (ErP) Lot 26, FIPS 140-3
Localization	Language: English / region: United Kingdom
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	+85 / -85
Vertical Viewing Angle	+85 / -85
Colour Gamut	45% NTSC
Features	Anti-glare, 87.22% screen-to-body ratio

#### Battery

Technology	Lithium polymer
Capacity	52.5 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
Features	Wake-on-LAN (WOL), dual stream (2x2)

#### Dimensions & Weight

Dimensions (WxDxH)	35.97 cm x 25.08 cm x 2.365 cm
Weight	1.76 kg

#### 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, Ultrasonic Human Presence Detection
Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC3287
Compliant Standards	High Definition Audio, Dolby Audio
Audio Features	Input: Dolby Voice, 360° far-field

Input

Type	Keyboard, TrackPoint, UltraNav
Keyboard Backlight	Yes
Keyboard Layout	UK
Numeric Keypad	Yes
Features	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   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 (mini-phone 3.5 mm)   LAN (RJ-45)

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	193 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	29
PAIA Version	1.4.7

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	12 TOPS
Total Processor Performance Up To (TOPS)	97 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

## What's in the box

Lenovo ThinkPad T16 Gen 4 21QE  
USB-C power adapter

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