

# ThinkPad T16 Gen 4 (Intel) 21QE0046MH

Lenovo

**PSREF**  
Product Specifications  
Reference

## PERFORMANCE

### Processor

Intel® Core™ Ultra 7 255U, 12C (2P + 8E + 2LPE) / 14T, Max Turbo up to 5.2GHz, 12MB

### AI PC Category<sup>[1]</sup>

AI PC

### NPU

Integrated Intel® AI Boost, up to 12 TOPS

### Graphics

Integrated Intel® Graphics

### Chipset

Intel® SoC Platform

### Memory

2x 16GB SODIMM DDR5-5600

### Memory Slots

Two DDR5 SODIMM / CSODIMM slots, dual-channel capable

### Max Memory

Up to 64GB DDR5-5600

### Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

### Storage Slot

Models with U series processor: one M.2 2280 PCIe® 4.0 x4 slot

### Max Storage Support<sup>[2]</sup>

One drive, up to 2TB M.2 2280 SSD

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

2x, 360°

### Camera

5.0MP + IR Discrete with Privacy Shutter

### Battery

86Wh

### Power Adapter

100W USB-C® Slim (3-pin)

## DESIGN

### Display<sup>[3]</sup>

16" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, Low Power

### Screen-to-Body Ratio

87.22%

### Pen

Pen Not Supported

### Keyboard

Backlit, English (EU)

### Dimensions (WxDxH)<sup>[4]</sup>

359.7 x 250.8 x 11.8/18.14 (front/rear), 23.65 (maximum) mm;  
14.16 x 9.87 x 0.46/0.71 (front/rear), 0.93 (maximum) inches

### Weight<sup>[5]</sup>

Starting at 1.98 kg (4.37 lbs)

### Case Color

Black

### Case Material

PC + 20% CF (Top), PC + 20% CF (Bottom)

## SOFTWARE

### Operating System

Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

## CONNECTIVITY

### WLAN + Bluetooth<sup>[6]</sup>

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

### WWAN

Quectel EM061K-GL, 4G LTE CAT6, with Embedded eSIM

### Ethernet

100/1000M (RJ-45)

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### Optional Ports (configured)

- 1x Smart Card Reader
- 1x Nano-SIM Card Slot

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T16 Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0 Enabled

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

Smart Card Reader

### Fingerprint Reader

Touch Style, Match-on-Chip, Integrated in Power Button

### Other Security

- Camera privacy shutter (camera models)
- Ultrasonic Human Presence Detection
- IR camera for Windows® Hello (facial recognition)
- ThinkShield

## MANAGEABILITY

### System Management

Non-vPro®

## SERVICE

### Base Warranty

3-year, Courier or Carry-in

### Included Upgrade

1Y Premier WHB (CPN)

## CERTIFICATIONS

### Green Certifications<sup>[7]</sup>

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- ErP Lot 6/26
- RoHS compliant
- TCO Certified, generation 10

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

Eyesafe® Certified 2.0

## MODEL

|                 |                 |                |              |
|-----------------|-----------------|----------------|--------------|
| TopSeller       | : Yes           | Announce Date  | : 2025-05-13 |
| EAN / UPC / JAN | : 0198157861930 | End of Support | : 2031-12-13 |



Product image is a sample, it may not match the real color of this model

· Lenovo reserves the right to change specifications without notice.

To see more note information, please access the [web page](#).

## Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



Priority on service delivery and repair parts



Single point of contact for simplified end-to-end case management



Lenovo Service Connect Portal for customized reporting and product support

## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

## Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

## Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories



### ThinkPad Universal USB-C Dock

40AY0090US

THE SMARTER WAY TO WORK Introducing the ThinkPad Universal USB-C Dock. This advanced, universally compatible one-cable docking solution lets you work smarter, not harder. It comes with a vast array of ports, next-gen ...

## Recommended Services

|        |                                                                                      |
|--------|--------------------------------------------------------------------------------------|
| BEST   | 3Y Premier Support Plus upgrade from 1Y Premier Support (5WS1L39505)                 |
| BETTER | 3Y Lenovo Support (Premier Support + KYD + 3Y SBTY + International Upg) (5PS1J31171) |
| GOOD   | 3Y Premier Support upgrade from 1Y Premier Support (5WS1B38518)                      |

Please click [here](#) to view the full list of accessories.



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