ThinkPad T16 Gen 2 (AMD) 21K70045RT

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor
AMD Ryzen™ 7 PRO 7840U (8C / 16T, 3.3 / 5.1GHz, 8MB L2 / 16MB L3)

AI PC Category[1]
AI PC

NPU
Integrated AMD Ryzen™ AI, up to 10 TOPS

Graphics
Integrated AMD Radeon™ 780M Graphics

Chipset
AMD SoC Platform

Memory[2]
32GB Soldered LPDDR5x-6400

Memory Slots
Memory soldered to systemboard, no slots, dual-channel

Max Memory
32GB soldered memory, not upgradable

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

Storage Slot
One M.2 2280 PCIe® 4.0 x4 slot

Max Storage Support[3]
One drive, up to 2TB M.2 2280 SSD

Optical
None

Card Reader
None

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
52.5Wh

Power Adapter
65W USB-C® (3-pin)

DESIGN

Display
16" WQUXGA (3840x2400) OLED 400nits Anti-reflection / Anti-smudge, 100% DCI-P3, DisplayHDR™ True Black 500, Dolby Vision®

Touchscreen
None

Pen
Pen Not Supported

Keyboard
Backlit, Russian

Dimensions (WxDxH)[4]
361.9 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)

Weight[5]
Starting at 1.71 kg (3.76 lbs)

Case Color
Thunder Black

Case Material
Carbon Fiber Hybrid (Top), PPS (Bottom)

SOFTWARE

Operating System
Windows® 11 Pro, Russian

Bundled Software
None

CONNECTIVITY

WLAN + Bluetooth®
Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 + BT5.3

WWAN
Quectel EM05-G, 4G LTE CAT4, with Embedded eSIM

SIM Card
None

Ethernet
100/1000M (RJ-45)

NFC
None

Standard Ports
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 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 USB-C®.
For more compatible docking solutions, please visit Docking for ThinkPad® T16 Gen 2 (AMD)

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 models)
- IR camera for Windows® Hello (facial recognition)
- ThinkShield
- Glance by Mirametrix®

MANAGEABILITY

System Management
DASH

SERVICE

Base Warranty
3-year, Courier or Carry-in

Included Upgrade
1Y Premier WHB (CPN)

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications[6]
- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

Mil-Spec Test
MIL-STD-810H military test passed

Other Certifications
Eyesafe® Certified 2.0

MODEL

TopSeller	: Yes	**Announce Date**	: 2023-10-24
EAN / UPC / JAN	: 0197531227911	**End of Support**	: 2030-02-11

· 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 ...

ThinkPad USB-C Dock Gen 2

40AS0090US

- Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C dock is compatible with Lenovo notebooks as well as note...

Please click here to view the full list of accessories.

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