

# ThinkPad T16 Gen 2 (AMD) 21K8000BAU

## PERFORMANCE

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

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

**NPU**  
Integrated AMD Ryzen™ AI, up to 10 TOPS

**Graphics**  
Integrated AMD Radeon™ 780M Graphics

**Chipset**  
AMD SoC Platform

**Memory**<sup>[2]</sup>  
32GB Soldered LPDDR5x-6400

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

**Max Memory**  
32GB soldered memory, not upgradable

**Storage**  
512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

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

**Max Storage Support**<sup>[3]</sup>  
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**<sup>[4]</sup>  
16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC

**Touchscreen**  
None

**Pen**  
Pen Not Supported

**Keyboard**  
Backlit, English

**Dimensions (WxDxH)**<sup>[5]</sup>  
361.9 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)

**Weight**<sup>[6]</sup>  
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, English

**Bundled Software**  
None

**CONNECTIVITY**

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

**WWAN**  
Fibocom L860-GL-16, 4G LTE CAT16, 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 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**  
None

**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**  
None

## ACCESSORIES

**Bundled Accessories**  
None

## CERTIFICATIONS

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

- 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

## MODEL

|                        |                |                       |              |
|------------------------|----------------|-----------------------|--------------|
| <b>TopSeller</b>       | : No           | <b>Announce Date</b>  | : 2023-07-11 |
| <b>EAN / UPC / JAN</b> | : 197528125442 | <b>End of Support</b> | : 2030-02-11 |

Note:  
<sup>[1]</sup> AI PCs have a NPU capable of 10+ TOPs to run the Copilot assistant by pressing the optional Microsoft Copilot key or using Win + C.  
<sup>[2]</sup> Installed memory is actually LPDDR5x-7500 but runs as.....  
· 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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

## 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 3Y Courier/Carry-in (5WS1L42401) |
| BETTER | 3Y Premier Support Upgrade from 3Y Courier/Carry-in (5WS0T36152)      |
| GOOD   | 3Y Onsite upgrade from 3Y Courier/Carry-in (5WS0A23006)               |

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



**PSREF**  
Product Specifications  
Reference