

ThinkPad X1 Carbon Gen 12 21KC004NSP



PSREF
Product Specifications
Reference

PERFORMANCE

Processor

Intel® Core™ Ultra 7 155U, 12C (2P + 8E + 2LPE) / 14T, Max Turbo up to 4.8GHz, 12MB

AI PC Category

AI PC

NPU

Intel® AI Boost, up to 11 TOPS

Graphics

Integrated Intel® Graphics

Chipset

Intel® SoC Platform

Memory^[1]

16GB Soldered LPDDR5x-6400

Memory Slots

Memory soldered to systemboard, no slots, 8-channel

Max Memory

16GB soldered memory, not upgradable

Storage

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

Storage Support^[2]

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

Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, Dolby Atmos®

Camera

UHD 8.0MP + IR Discrete with Privacy Shutter, MIPI, Computer Vision

Microphone

2x, Array

Battery

Integrated 57Wh

Power Adapter

65W USB-C® Slim (3-pin)

DESIGN

Display^[3]

14" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, ThinkPad® Privacy Guard

Keyboard

Backlit, Spanish

Touchpad

Haptic Touchpad

Case Color

Black, Paint

Case Material

Carbon Fiber (Top), Aluminium (Bottom)

Dimensions (WxDxH)^[4]

312.80 x 214.75 x 14.96 mm (12.31 x 8.45 x 0.59 inches)

Weight^[5]

Starting at 1.09 kg (2.40 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, Spanish

Bundled Software

Intel® Connectivity Performance Suite

CONNECTIVITY

Ethernet^[6]

No Onboard Ethernet

WLAN + Bluetooth^{[7][8]}

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

WWAN

Quectel EM160R-GL, 4G LTE CAT16, with Embedded eSIM

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)

Optional Ports (configured)

1x Nano-SIM Card Slot

Docking

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

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Carbon Gen 12](#)

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0 Enabled

Fingerprint Reader

Touch Style, Match-on-Chip, in Keyboard Key

Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

Other Security

- Computer Vision-based User Presence Sensing including lock on leave (UHD 8.0MP + IR camera models)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- IR camera for Windows® Hello (facial recognition)
- Camera privacy shutter

MANAGEABILITY

System Management

Non-vPro®

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects), 3Y Premier Support plus from 3Y Courier/Carry in TP Halo WHB (CPN)

CERTIFICATIONS

Green Certifications^[9]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

Other Certifications

- Intel® Evo™ Platform
- Eyesafe® Certified 2.0
- TÜV Rheinland® Dynamic Privacy Filter (DPF) Certification (Privacy Guard models)

Mil-Spec Test

MIL-STD-810H military test passed

MODEL

TopSeller : Yes **Announce Date** : 2024-03-12
EAN / UPC / JAN : 0197530377822 **End of Support** : 2030-07-08

Note:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

[2] The storage capacity supported is based on the test results with current Lenovo storage offerings.

[3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

[4] The system dimensions may vary depending on configurations.

[5] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

[6] Ethernet support via optional Lenovo USB-C to Ethernet Adapter.

[7] Intel Wi-Fi 7 BE200 is for special bid only.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2402?M=21KC004NSP>

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 ...



ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

- The ThinkPad Hybrid USB-C with USB-A dock is a productivity solution for any USB-C or USB-A laptop, including non-Lenovo laptops from Dell, HP, and Apple, providing power, display, and port expansion in any m...

For a full list of accessories and services, please visit: <https://smartfind.Lenovo.com>

PSREF
Product Specifications
Reference