ThinkPad X1 Carbon Gen 12

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
Integrated Intel® AI Boost, up to 11 TOPS

Graphics
Integrated Intel® Graphics

Chipset
Intel® SoC Platform

Memory[1]
32GB Soldered LPDDR5x-6400

Memory Slots
Memory soldered to systemboard, no slots, 8-channel

Max Memory
32GB soldered memory, not upgradable

Storage
1TB SSD M.2 2280 PCIe® 4.0x4 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

Card Reader
None

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers
Stereo speakers, 2W x2, Dolby Atmos®

Camera
FHD 1080p + IR Discrete with Privacy Shutter

Microphone
2x, Array

Battery
57Wh

Power Adapter
65W USB-C® (3-pin)

DESIGN

Display[3]
14" WUXGA (1920x1200) IPS 400nits Anti-glare, 100% sRGB, 60Hz, Low Power, Touch

Touchscreen
On-cell, 10-point Multi-touch

Keyboard
Backlit, English

Touchpad
Trackpad

Case Color
Black, Paint

Case Material
Carbon Fiber (Top), Aluminium (Bottom)

Pen
Pen Not Supported

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 1.08 kg (2.37 lbs)

SOFTWARE

Operating System
Windows® 11 Pro, English

Bundled Software
Intel® Connectivity Performance Suite

CONNECTIVITY

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

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

SIM Card
None

Ethernet[7]
No Onboard Ethernet

NFC
None

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

Smart Card Reader
None

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
- Camera privacy shutter
- Ultrasonic Human Presence Detection (FHD 1080p + IR camera models)
- IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

System Management
Non-vPro®

SERVICE

Base Warranty
1-year, Courier or Carry-in

Included Upgrade
3Y Premier Support Upgrade from 1Y Courier/Carry-in, CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

Bundled Accessories[8]
None

CERTIFICATIONS

Green Certifications[9]
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

Other Certifications
- Eyesafe® Certified 2.0
- Intel® Evo™ Platform

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

MODEL

TopSeller	: Yes	**Announce Date**	: 2024-03-12
EAN / UPC / JAN	: 197530391828	**End of Support**	: 2030-07-08

Note:
[1] Installed memory is actually LPDDR5x-7500 but run as.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2402?M=21KC002TAU

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

Lenovo Wireless VoIP Headset (Teams)

The Lenovo Wireless VoIP Headset (Teams) is perfectly engineered for the modern hybrid open workspace. Its Microsoft open office Teams certification ensures professional call quality and seamlessly collaboration with...

Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support CPN (5WS1L42274)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L42164)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86716)

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

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