ThinkPad X1 Carbon Gen 13

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ Ultra 7 258V, 8C (4P + 4LPE) / 8T, Max Turbo up to 4.8GHz, 12MB

AI PC Category[1]
Copilot+ PC

NPU
Integrated Intel® AI Boost, up to 47 TOPS

Graphics
Integrated Intel® Arc™ Graphics 140V

Chipset
Intel® SoC Platform

Memory
32GB Soldered LPDDR5x-8533, MoP Memory

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

Max Memory
32GB soldered memory, not upgradable

Storage
1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal 2.0

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

Storage Slot
Models with V or H series processor: one M.2 2280 PCIe® 5.0 x4 slot

Card Reader
None

Audio Chip
Models with V series processor: High Definition (HD) Audio, Realtek® ALC713 codec

Speakers
Stereo speakers, 2W x2, Dolby Atmos®

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

Microphone
2x, 360°

Battery
57Wh

Power Adapter
65W USB-C® Slim GaN (3-pin)

DESIGN

Display[3]
14" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, Low Power, Touch

Touchscreen
On-cell, 10-point Multi-touch

Keyboard
Backlit, Hebrew

Touchpad
Haptic Touchpad

Case Color
Black, Paint

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

Pen
Pen Not Supported

Dimensions (WxDxH)[4]
312.80 x 214.75 x 8.38/14.77 (front/rear), 17.95 (maximum) mm;
12.31 x 8.45 x 0.33/0.58 (front/rear), 0.71 (maximum)inches

Weight[5]
Starting at 986 g (2.17 lbs)

SOFTWARE

Operating System
Windows® 11 Pro, Hebrew / English

Bundled Software
Intel® Connectivity Performance Suite + Lenovo® AI Now

CONNECTIVITY

WLAN + Bluetooth®[6]
Intel® Wi-Fi® 7 BE201, 802.11be 2x2 + BT5.4

WWAN
Quectel RM520N-GL, 5G Sub-6 GHz, 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 13

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
- Computer Vision-based User Presence Sensing including lock on leave
- IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

System Management
Non-vPro®

SERVICE

Base Warranty
3-year, Courier or Carry-in

Included Upgrade
3Y Premier Support WHB (CPN)

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications[8]
- 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
- SGS High Performance AI PC Certification

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

MODEL

TopSeller	: Yes	**Announce Date**	: 2025-02-21
EAN / UPC / JAN	: 0198156499011	**End of Support**	: 2031-06-05

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2520?M=21NS004RIV

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

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	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86745)
BETTER	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86745)
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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