

ThinkPad X1 Carbon Gen 12

PERFORMANCE

Processor	Intel® Core™ Ultra 5 135U, 12C (2P + 8E + 2LPE) / 14T, Max Turbo up to 4.4GHz, 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]	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
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	Integrated 57Wh
Power Adapter	65W USB-C® Slim (3-pin)

DESIGN

Display^[3]	14" WUXGA (1920x1200) IPS 400nits Anti-glare, 100% sRGB, 60Hz, Low Power
Touchscreen	None

Keyboard	Backlit, Portuguese
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, Portuguese / English
Bundled Software	Intel® Connectivity Performance Suite
CONNECTIVITY	
Ethernet^[6]	No Onboard Ethernet
WLAN + Bluetooth^[7]	Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3
WWAN	WWAN Upgradable to 4G or 5G
SIM Card	None
NFC	NFC
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^[8]	Intel® vPro® Enterprise
SERVICE	
Base Warranty	3-year, Courier or Carry-in
Included Upgrade	3Y Premier Support WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)
ACCESSORIES	
Bundled Accessories^[9]	None
CERTIFICATIONS	
Green Certifications^[10]	- ENERGY STAR® 8.0 - EPEAT™ Gold Registered - ErP Lot 6/26 - RoHS compliant - TCO Certified 10.0
Other Certifications	- Intel® Evo™ Platform - Eyesafe® Certified 2.0
Mil-Spec Test	MIL-STD-810H military test passed
MODEL	
TopSeller	: Yes
Announce Date	: 2024-03-12
EAN / UPC / JAN	: 0197530388392
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=21KC005KPG>

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 Lenovo Support (Premier Support + KYD + 3Y SBTY + International Upg) (5PS1D67025)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39253)
GOOD	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86745)

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

PSREF
Product Specifications
Reference