

ThinkPad X1 Carbon Gen 12

PERFORMANCE

Processor	Intel® Core™ Ultra 7 165U, 12C (2P + 8E + 2LPE) / 14T, Max Turbo up to 4.9GHz, 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]	64GB Soldered LPDDR5x-6400
Memory Slots	Memory soldered to systemboard, no slots, 8-channel
Max Memory	64GB soldered memory, not upgradable
Storage	2TB 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, English (UK)
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	
Ethernet^[6]	No Onboard Ethernet
WLAN + Bluetooth^[7]	Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3
WWAN	Quectel EM160R-GL, 4G LTE CAT16, with Embedded eSIM
SIM Card	None
NFC	None
Standard Ports	<ul style="list-style-type: none">1x USB-A (USB 5Gbps / USB 3.2 Gen 1)1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.11x HDMI® 2.1, up to 4K/60Hz1x 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	<ul style="list-style-type: none">Camera privacy shutterUltrasonic 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]	<ul style="list-style-type: none">ENERGY STAR® 8.0EPEAT™ Gold RegisteredErP Lot 6/26RoHS compliantTCO Certified 10.0
Other Certifications	<ul style="list-style-type: none">Intel® Evo™ PlatformEyesafe® Certified 2.0
Mil-Spec Test	MIL-STD-810H military test passed
MODEL	
TopSeller	: Yes
Announce Date	: 2024-04-16
EAN / UPC / JAN	: 0198153732579
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=21KCO0ADUK>

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

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)

- 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