

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

32GB Soldered LPDDR5x-6400

Memory Slots

Memory soldered to systemboard, no slots, 8-channel

Max Memory

32GB soldered memory, not upgradable

Storage

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

Storage Support^[1]

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

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

14" 2.8K (2880x1800) OLED 400nits Anti-glare / Anti-reflection / Anti-smudge, 100% DCI-P3, 120Hz, DisplayHDR™ True Black 500, Dolby Vision®, Touch

Touchscreen

Add-on Film Touch, 10-point Multi-touch

Keyboard

Backlit, German

Touchpad

Haptic Touchpad

Case Color

Black, Paint

Case Material

Carbon Fiber (Top), Aluminium (Bottom)

Dimensions (WxDxH)^[2]

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

Weight^[3]

Starting at 1.09 kg (2.40 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, German

Bundled Software

Intel® Connectivity Performance Suite

CONNECTIVITY

Ethernet^[4]

No Onboard Ethernet

WLAN + Bluetooth^[5]

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

- 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

- Computer Vision-based User Presence Sensing including lock on leave (UHD 8.0MP + IR camera models)
- 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

3Y Premier Support WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

Bundled Accessories^[6]

None

CERTIFICATIONS

Green Certifications^[7]

- 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

Mil-Spec Test

MIL-STD-810H military test passed

MODEL

TopSeller	: Yes	Announce Date	: 2024-05-21
EAN / UPC / JAN	: 0198154315054	End of Support	: 2030-07-08

Note:

[1] The storage capacity supported is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2402?M=21KC00B9GE>