

Lenovo

Lenovo ThinkPad X1 Carbon Intel Core Ultra 7 155U Laptop 35,6 cm (14") WUXGA 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Zwart

Merk : Lenovo

Productfamilie: ThinkPad

Artikelcode: 21KC004TMH

Productnaam : X1 Carbon

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 155U (12MB Cache)
- 35.6 cm (14") WUXGA 1920 x 1200 IPS
- 32GB (6400MHz) LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 7 155U (12MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 35.6 cm (14") WUXGA 1920 x 1200 IPS, Intel Graphics, WLAN, 5G, Webcam, Windows 11 Pro 64-bit

Lenovo ThinkPad X1 Carbon. Type product: Laptop, Vormfactor: Clamshell. Processorfamilie: Intel Core Ultra 7, Processormodel: 155U. Beeldschermdiagonaal: 35,6 cm (14"), HD type: WUXGA, Resolutie: 1920 x 1200 Pixels. Intern geheugen: 32 GB, Intern geheugentype: LPDDR5x-SDRAM. Totale opslagcapaciteit: 1 TB, Opslagmedia: SSD. On-board graphics adapter model: Intel Graphics. Generatie mobiel internet: 5G. Inclusief besturingssysteem: Windows 11 Pro. Kleur van het product: Zwart



| Design | | Audio | |
|--|-----------------------------|---|----------------------|
| Kleurnaam | Black, Paint | Ingebouwde microfoon | ✓ |
| Type product * | Laptop | Aantal microfoons | 2 |
| Kleur van het product * | Zwart | Camera | |
| Vormfactor * | Clamshell | Camera voorzijde | ✓ |
| Materiaal behuizing | Aluminium, Koolstofvezel | Resolutie camera voorzijde | 1920 x 1080 Pixels |
| Beeldscherm | | Voorcamera HD-type | Full HD |
| Beeldschermdiagonaal * | 35,6 cm (14") | Infrarood (IR) camera | ✓ |
| Resolutie * | 1920 x 1200 Pixels | Privacycamera | ✓ |
| Touchscreen * | ✗ | Type privacy | Privacysluiters |
| HD type | WUXGA | Netwerk | |
| Soort paneel | IPS | Generatie mobiel internet | 5G |
| LED backlight | ✓ | Wifi-standaard * | Wi-Fi 6E (802.11ax) |
| Oorspronkelijke beeldverhouding | 16:10 | Wi-Fi-standaarden | Wi-Fi 6E (802.11ax) |
| Antireflectiescherm | ✓ | Mobiele netwerkverbinding * | ✓ |
| Helderheid | 400 cd/m ² | Soort antenne | 2x2 |
| RGB-kleurruimte | sRGB | WLAN-controller-model | Intel Wi-Fi 6E AX211 |
| Kleurbereik | 100 procent | Fabrikant van de WLAN-controller | Intel |
| Maximale refresh snelheid | 60 Hz | Ethernet LAN | ✗ |
| Typische contrastverhouding | 1000:1 | Bluetooth | ✓ |
| Processor | | Bluetooth-versie | 5.3 |
| Processorfabrikant * | Intel | Near Field Communication (NFC) | ✗ |
| Processorfamilie * | Intel Core Ultra 7 | WWAN | Geïnstalleerd |
| Processorgeneratie | Intel Core Ultra (Series 1) | WWAN-controller | Quectel RM520N-GL |
| Processormodel * | 155U | Poorten & interfaces | |
| Aantal processorkernen | 12 | Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A * | 2 |
| Processor aantal threads | 14 | Aantal HDMI-poorten * | 1 |
| Maximale turbofrequentie van processor | 4,8 GHz | HDMI versie | 2.1 |

| | | | |
|---|---|---|---|
| Processor | | Poorten & interfaces | |
| Prestatiekernen | 2 | Aantal Thunderbolt 4-poorten | 2 |
| Efficiënte kernen | 8 | Intel® Thunderbolt 4 | ✓ |
| Cores met laag energieverbruik | 2 | Combo koptelefoon/microfoon port | ✓ |
| Performance-core Max Turbo Frequency | 4,8 GHz | USB Type-C DisplayPort alternatieve modus | ✓ |
| Efficient-core Max Turbo Frequency | 3,8 GHz | USB Power Delivery | ✓ |
| Maximale turbosnelheid van cores met laag energieverbruik | 2,1 GHz | USB Sleep-and-Charge | ✓ |
| Prestatie-kernbasisfrequentie | 1,7 GHz | USB Sleep-and-Charge poorten | 1 |
| Efficiënte kernbasisfrequentie | 1,2 GHz | Prestatie | |
| Basissnelheid van cores met laag energieverbruik | 700 MHz | Chipset moederbord | Intel SoC |
| Processor cache | 12 MB | Toetsenbord | |
| Processor cache type | Smart Cache | Aanwijsapparaat | ThinkPad UltraNav |
| Processor basisvermogen | 15 W | Taal toetsenbord | Engels |
| Maximaal turbovermogen | 57 W | Numeriek toetsenblok * | ✗ |
| Neurale verwerkingseenheid (NPU) | | Keyboard met achtergrondverlichting | ✓ |
| Neurale verwerkingseenheid (NPU) | Intel AI Boost | Morsbestendig toetsenbord | ✓ |
| Maximale frequentie NPU | 1,4 GHz | Software | |
| Sparsity-ondersteuning | ✓ | Architectuur besturingssysteem | 64-bit |
| Ondersteuning voor Windows Studio-effecten | ✓ | Taal besturingssysteem | Duits, Nederlands, Engels, Frans, Italiaans |
| AI-datatype ondersteuning op NPU | FP16, FP32, Int8 | Inclusief besturingssysteem * | Windows 11 Pro |
| AI-softwareframeworks ondersteund door NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Meegeleverde software | Intel Connectivity Performance Suite |
| Geheugen | | Accu/Batterij | |
| Intern geheugen * | 32 GB | Batterijtechnologie | Lithium-Polymeer (LiPo) |
| Intern geheugentype | LPDDR5x-SDRAM | Batterijcapaciteit * | 57 Wh |
| Kloksnelheid geheugen | 6400 MHz | Snel opladen | ✓ |
| Geheugen form factor | On-board | Energie | |
| Maximum intern geheugen * | 32 GB | AC-adapter, vermogen | 65 W |
| Geheugen kanaal | Dubbelkanaals | AC-adapterfrequentie | 50/60 Hz |
| Opslagmedia | | AC-adapter ingangsspanning | 100 - 240 V |
| Totale opslagcapaciteit * | 1 TB | Beveiliging | |
| Opslagmedia * | SSD | Bevestigingsmogelijkheid voor kabelslot | ✓ |
| Totale capaciteit SSD's | 1 TB | Kabelslot sleuf type | Kensington |
| Aantal geïnstalleerde SSD's | 1 | Vingerafdruklezer | ✓ |
| SSD capaciteit | 1 TB | Smart card-lezer | ✗ |
| SSD interfaces | PCI Express 4.0 | Windows Hello | ✓ |
| NVMe | ✓ | Trusted Platform Module (TPM) | ✓ |
| SSD-vormfactor | M.2 | Trusted Platform Module (TPM) version | 2.0 |
| Soort optische drive * | ✗ | Wachtwoordbeveiliging | ✓ |
| Geïntegreerde geheugenkaartlezer | ✗ | Password bescherming | BIOS, Inschakelen, Supervisor, SSD |
| Grafisch | | Eisen aan de omgeving | |
| Discreet grafische adapter model * | Niet beschikbaar | Bedrijfstemperatuur (T-T) | 5 - 35 °C |
| Ingebouwde grafische adapter * | ✓ | Temperatuur bij opslag | 5 - 43 °C |
| Interne-GPU-fabrikant | Intel | Relatieve vochtigheid in bedrijf (V-V) | 8 - 95 procent |
| Aparte grafische adapter * | ✗ | Luchtvochtigheid bij opslag | 5 - 95 procent |
| On-board graphics adapter model * | Intel Graphics | Maximale verschepingshoogte | 3048 m |
| Audio | | Certificaten | |
| Audiochip | Realtek ALC3306 | Certificaten van naleving | RoHS |
| Audiosysteem | Dolby Atmos | Certificering | MIL-STD-810H military test passed |
| Aantal ingebouwde luidsprekers | 2 | Duurzaamheid | |
| Vermogen luidsprekers | 2 W | Naleving van duurzaamheid | ✓ |
| | | Duurzaamheidscertificaten | TCO, ENERGY STAR, EPEAT Gold, ErP |

Gewicht en omvang

| | |
|-----------|----------|
| Breedte | 312,8 mm |
| Diepte | 214,8 mm |
| Hoogte | 15 mm |
| Gewicht * | 1,09 kg |



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