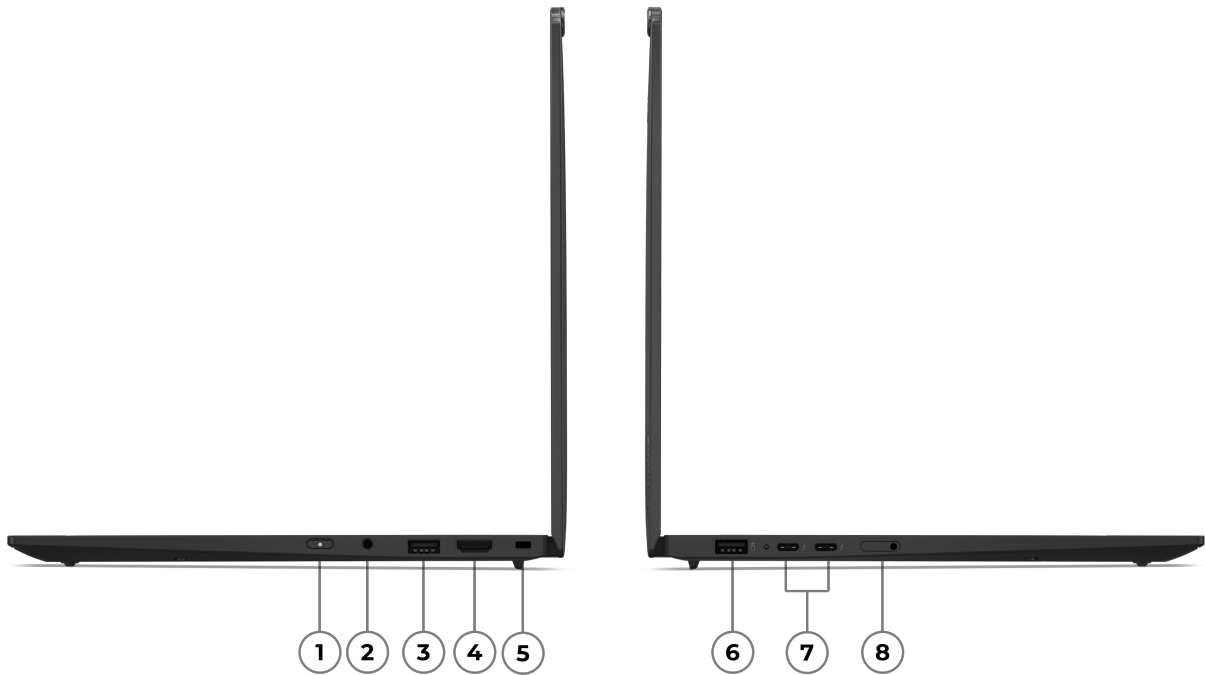


## OVERVIEW



1. Power button	5. Kensington Nano Security Slot
2. Headphone / microphone combo jack (3.5mm)	6. USB-A (USB 5Gbps), Always On
3. USB-A (USB 5Gbps)	7. 2x Thunderbolt 4
4. HDMI	8. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® 200V Series Core Ultra 7 Processor (Series 2)

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 7 Processor 258V	8 (4 P-core + 4 LPE-core)	8	P-core 2.2GHz / LPE-core 2.2GHz	P-core 4.8GHz / LPE-core 3.7GHz	12MB	Intel® Arc™ Graphics 140V	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### AI Performance

Up to 115 overall TOPS

#### NPU

Integrated Intel® AI Boost, up to 47 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics 140V	Integrated	Shared	Share CPU TDP	DirectX® 12.2

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-8533, MoP (Memory on Package) memory

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

#### Storage Slot

One M.2 2280 PCIe® 5.0 x4 slot

#### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 5.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB	Opal 2.0

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

## Removable Storage

#### Card Reader

No card reader

## Multi-Media

#### Audio Chip

High Definition (HD) Audio, Realtek® ALC713 codec

#### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

#### Microphone

Dual-microphone array, 360° far-field, Dolby Voice®

#### Camera

FHD 1080p + IR discrete, with privacy shutter, fixed focus, temporal noise reduction

## Battery

#### Battery

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)<sup>[1]</sup>

#### Battery Life<sup>[2]</sup>

MobileMark® 25: up to 15.0 hr with 628 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.6 hr / 14.5 hr @200nits

Local video playback: up to 18.8 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration: 2.8K OLED (non-touch), Intel® Core™ Ultra 7 258V, 32GB LPDDR5x-8533, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode with 150nits brightness and default volume level), or Google Power Load Test (PLT) battery-life benchmark tests.

Actual battery life will vary depending on many factors such as product configuration, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

#### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 89.2% screen to body ratio

#### Touchscreen

Non-touch

### Input Device

#### Keyboard

6-row, spill-resistant, air intake design, multimedia Fn keys, Copilot key

#### Keyboard Backlight

LED backlight

#### UltraNav™\*\*

- TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch Haptic Touchpad, 70.5 x 120 mm (2.78 x 4.72 inches)
- TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch 3-button Trackpad, 56.2 x 120 mm (2.21 x 4.72 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

312.80 x 214.75 x 8.08-14.37 mm (12.31 x 8.45 x 0.32-0.56 inches)

#### Weight<sup>[2]</sup>

Models	Weight
Models with Haptic Touchpad	Starting at 996g (2.19 lbs)
Models with Trackpad	Starting at 986g (2.17 lbs)

#### Case Color

Black, paint

#### Case Material

Carbon fiber (top), magnesium (bottom)

Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

## CONNECTIVITY

### Network

#### Ethernet

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®<sup>[2]</sup>

Intel® Wi-Fi® 7 BE201, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

#### WWAN

No support

#### SIM Card

No physical SIM card inbox

#### NFC

No support

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Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 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

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Notes:

[1] The transfer speed of the ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

## Docking

### 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

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader in keyboard key, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- System management password
- NVMe® password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- IR camera for Windows® Hello (facial recognition)

- Camera privacy shutter

## MANAGEABILITY

### System Management

#### System Management

Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories

None

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

Recycled carbon fiber contained in plastic frame on top cover  
90% recycled magnesium on keyboard frame  
90% recycled magnesium on bottom cover  
85% PCC recycled plastic used in keycaps of backlit keyboard  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 57Wh battery pack enclosure  
90% PCC recycled plastic used in 65W adapters  
35% PCC recycled plastic used in cable / antenna holders  
25% PCC recycled plastic used in hall sensor magnet  
Plastic Free Packaging with FSC Certified Paper

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

FSC: Forest Stewardship Council.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- Intel® Evo™ Platform
- Eyesafe® Certified 2.0

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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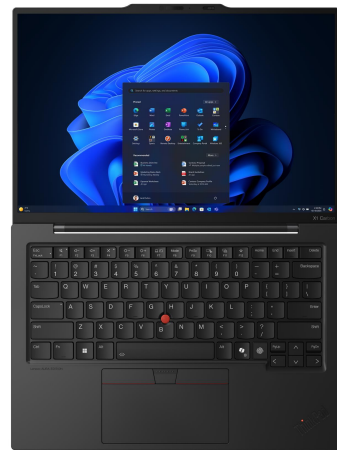
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