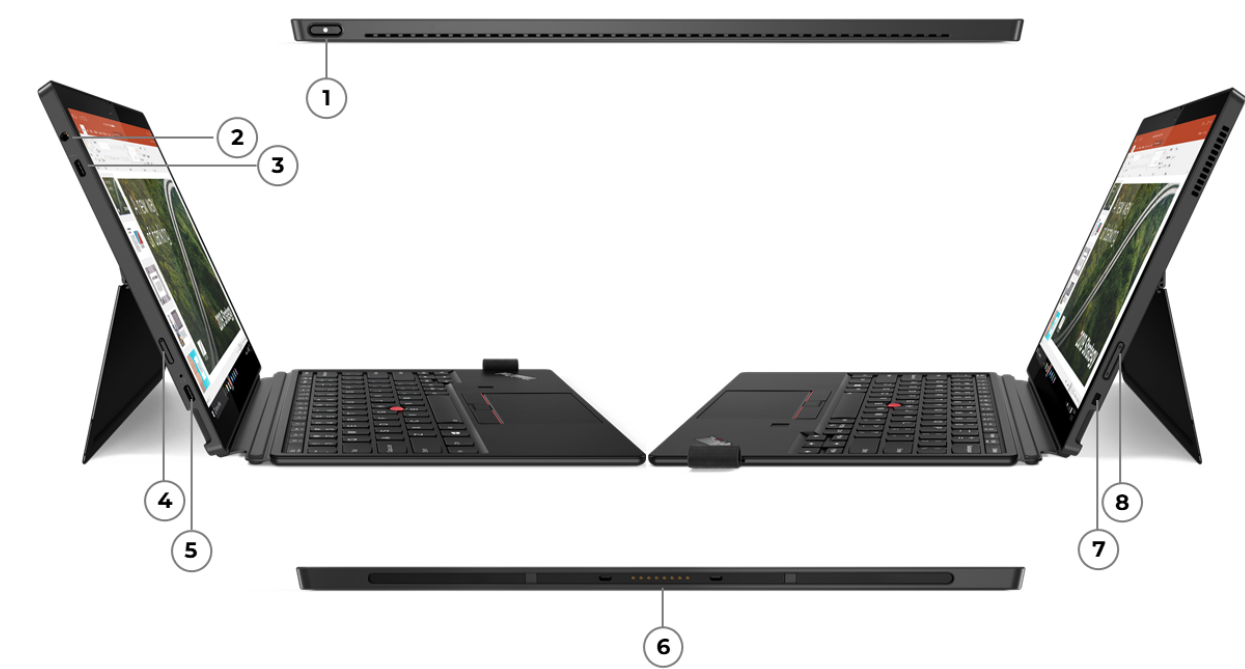# OVERVIEW

1. Power button	5. USB-C (USB 10Gbps), with USB PD 3.0 & DP 2.1
2. Headphone / microphone combo jack (3.5mm)	6. Pogo pin connector (8-point)
3. Thunderbolt 4	7. Kensington Nano Security Slot
4. Nano-SIM card slot *	8. Volume button

Notes:
- Items with * are only available on selected models
- Folio keyboard shown on above image is for demo only. It is available on selected models.

PERFORMANCE

Processor

Processor Family

Intel® U Series Core Ultra 5 / 7 Processor (Series 1)

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	AI Engine
Core Ultra 5 134U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 700MHz / E-core 500MHz / LPE-core 400MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 164U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.1GHz / E-core 700MHz / LPE-core 400MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- No preload operating system

NPU

NPU

Intel® AI Boost integrated in Intel® Core™ Ultra processor

Graphics

Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.2

Monitor Support

Monitor Support[1]

Supports up to 3 independent displays (native display and 2 external monitors via USB-C® and Thunderbolt™)
• USB-C® supports up to 6K@60Hz
• Thunderbolt™ supports up to 8K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited. 6K / 8K resolution support needs 2 display pipes. That is, simultaneous display number will "-1" when 6K / 8K resolution displayed.

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

Memory Type

LPDDR5x-6400[1]

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

Storage

Storage Support[1]

One drive, up to 1TB M.2 2242 SSD

Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

Multi-Media

Speakers

Stereo speakers, 1W x2, Dolby Audio™

Microphone

Dual-microphone array, Dolby Voice®

Camera

Front 5.0MP + IR discrete user-facing camera, privacy shutter, fixed focus
Rear 8.0MP, autofocus

Sensor

Vibration Motor

No support

Sensors

- Accelerometer (G) sensor
- Gyroscope sensor
- Hall sensor
- Inclinometer sensor
- Proximity (P) sensor (WWAN models)

Battery

Battery

Integrated Li-Polymer 42Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

Max Battery Life[1]

MobileMark25@250nits: 12.47 hr
Local video (1080p) playback@150nits: 17.52 hr
JEITA-BAT 3.0@200nits (Video/Idle): 9.98 hr / 19.31 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 25, JEITA 3.0, continuous 1080p video playback (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 and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

Power Adapter

Power Adapter**[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

DESIGN

Display

Display[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
12.3″	FHD+ (1920x1280)	Multi-touch	IPS	400nits	Anti-reflection, anti-smudge	3:2	1500:1	100% sRGB	89°/89°/89°/89°	Corning® Gorilla® Glass

Touchscreen

GMF / GF2 (Metal mesh film sensor) multi-touch, supports 10-point touch

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Pen**

- Lenovo® Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo® Digital Pen Overview
- Lenovo® Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo® Digital Pen Overview
- Lenovo® Precision Pen, 4096 levels of pressure sensitivity, magnetically attached to the system. For more information, please read Lenovo® Precision Pen Overview
- No pen (purchase separately)

Mechanical

Dimensions (WxDxH)[1]

Models	Dimensions
Tablet	283.3 x 203.5 x 8.8 mm (11.15 x 8.01 x 0.34 inches)
Tablet with folio keyboard	Tablet: 283.3 x 203.5 x 8.8 mm (11.15 x 8.01 x 0.35 inches) Folio keyboard: 283.3 x 217.8 x 5.7 mm (11.15 x 8.57 x 0.22 inches) Total: 283.3 x 208.1 x 14.5 mm (11.15 x 8.19 x 0.57 inches)

Weight[2]

Models	Weight
Tablet	around 0.76 kg (1.67 lbs)
Tablet with folio keyboard	Tablet: 0.76 kg (1.67 lbs) Folio keyboard: 0.34 kg (0.75 lbs) Total: 1.1 kg (2.42 lbs)

Case Color

Black

Case Material

Magnesium-aluminium

Others

- Hinge open angle: 170°
- Kensington® Nano Security Slot™

Buttons

- Power button
- Volume button

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

WLAN + Bluetooth®[1]

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

WWAN

- Quectel EM160R-GL Gen 2, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

NFC

- Near Field Communication
- No support

Location Services

Models	Location
WLAN models	No location service
WWAN models	GPS + GLONASS + Galileo + Beidou + A-GPS

Notes:

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

Ports

Standard Ports[1]

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 2.1
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Pogo pin connector (8-point)

Optional Ports

1x Nano-SIM card slot (WWAN models)

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 the theoretical speed.

Docking

Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit [Docking for ThinkPad® X12 Detachable Gen 2](#)

SECURITY & PRIVACY

Security

Security Chip

Discrete TPM 2.0, TCG certified

Fingerprint Reader

- Touch style fingerprint reader on folio keyboard, match-on-chip
- No fingerprint reader

BIOS Security

- Supervisor password
- Power-on password
- System management password
- Hard disk password
- Self-healing BIOS

MANAGEABILITY

System Management

System Management

- Intel® vPro® Enterprise
- Non-vPro®

SERVICE

Warranty

Base Warranty**

- 1-year courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

ACCESSORIES

Bundled Accessories

Bundled Accessories***[1]

- Lenovo® USB-C® Port Replicator
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to VGA Adapter
- ThinkPad® X12 Detachable Gen 2 Folio Keyboard, with touchpad (pogo pin, detachable)
- None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for ThinkPad® X12 Detachable Gen 2.

OPERATING REQUIREMENTS

Operating Environment

Temperature[1]

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -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

90% recycled magnesium on top cover
30% PCC recycled plastic on keyboard cover
30% PCC recycled plastic on bottom cover
30% PCC recycled plastic used in speaker enclosure
50% recycled aluminium used in the kickstand
25% PCC recycled plastic used in the 42Whr battery enclosure

Up to 90% PCC recycled plastic used in standard 45W and 65W USB-C®, and Slim 65W adaptors
FSC-certified with 85% recycled plastic and/or sustainable content

CERTIFICATIONS

Green Certifications[1]

Green Certifications[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered[3]
- ErP Lot 6
- ErP Lot 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 dependent on system OS. Please visit epeat.net and energystar.gov for more information.
[3] EPEAT™ is registered where applicable, please visit epeat.net for registration status by country.

Other Certifications

Mil-Spec Test

MIL-STD-810H military test passed

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

- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.

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