

OVERVIEW



1. Power button	5. Thunderbolt 4
2. Volume button	6. Nano-SIM card slot*
3. Kensington Nano Security Slot	7. USB-C 3.2 Gen 2
4. Headphone / microphone combo jack (3.5mm)	

- Notes:
- Ports with \* are only available on selected models
  - Pogo pin connector (8-point) not shown on the sample product above

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor\*\*[1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i3-1110G4	2	4	2.5GHz	3.9GHz	6MB	LPDDR4x-4266	Intel UHD Graphics
Core i5-1130G7	4	8	1.8GHz	4.0GHz	8MB	LPDDR4x-4266	Intel Iris® Xe Graphics
Core i5-1140G7	4	8	1.8GHz	4.2GHz	8MB	LPDDR4x-4266	Intel Iris Xe Graphics
Core i7-1160G7	4	8	2.1GHz	4.4GHz	12MB	LPDDR4x-4266	Intel Iris Xe Graphics
Core i7-1180G7	4	8	2.2GHz	4.6GHz	12MB	LPDDR4x-4266	Intel Iris Xe Graphics

Notes:

1. Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

Operating System

Operating System\*\*

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home 64 Single Language
- Windows 11 DG Windows 10 Pro 64
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home 64 Single Language
- Windows 10 IoT Enterprise LTSC
- No operating system

Graphics

Graphics\*\*[1]

Graphics	Type	Memory	TGP	Key Features
Intel UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12
Intel Iris Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX 12.1

Notes:

1. Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

Monitor Support

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via USB-C® (5120x3200@60Hz) or Thunderbolt™ (5120x3200@60Hz)

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory

- 4GB soldered LPDDR4x-3733, not upgradable
- 8GB soldered LPDDR4x-4266, not upgradable
- 16GB soldered LPDDR4x-4266, not upgradable

Memory Type\*\*[1]

# ThinkPad X12 Detachable

- LPDDR4x-3733
- LPDDR4x-4266

## Notes:

1. 8GB or 16GB LPDDR4x-4266 soldered, dual-channel

## Storage

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

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

### Storage Type

Disk Type	Interface	RPM	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x4	-	128GB / 256GB / 512GB / 1TB	-

## Notes:

1. The storage capacity supported is based on the test results with current Lenovo® storage offerings. The system may support larger storage as the technology develops.

## Multi-Media

### Speakers

Stereo speakers, Realtek® ALC3306-GRT codec, 1W x2, Dolby® Audio™

### Microphone

Dual array microphone, 360° far-field for Cortana, near-field for Alexa

### Camera

Front 5.0-megapixel IR & RGB hybrid user-facing camera, webcam privacy shutter, fixed focus  
Rear 8.0-megapixel RGB world-facing, autofocus

## Sensor

### Vibration Motor

No support

### Sensors

- Accelerometer (G) sensor
- Gyroscope sensor
- Hall sensor
- Inclinator sensor
- Proximity (P) sensor (WWAN model)

## Battery

### Battery

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

### Max Battery Life<sup>[1]</sup>

MobileMark® 2018: 10.36 hr  
JEITA 2.0: 12.42 hr

### Charging Time

To fully charged  
In operation: 2.0 hr  
Off ~ 80%: 0.83 hr  
Off ~ 100%: 2.0 hr

## Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, JEITA 2.0, 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 and depends 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\*\*

- 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
- No power adapter

DESIGN

Display

Display<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
12.3"	FHD+ (1920x1280)	Multi-touch	IPS	400 nits	Anti-reflection, Anti-smudge	3:2	1500:1	100% sRGB	178°	Corning® Gorilla® Glass 5

Touchscreen

GF2 Direct Bonding, capacitive-type multi-touch, supports 10-point touch

Notes:

1. California Electronic Waste Recycling Fee  
In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to <https://www.calrecycle.ca.gov/Electronics/Consumer>

Input Device

Pen<sup>\*\*[1]</sup>

- 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 (pen sold separately)

Notes:

1. Lenovo Precision Pen: might not be installed with an AAAA alkaline battery

Mechanical

Dimensions (WxDxH)

Models	Dimensions
Tablet	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 217.8 x 14.5 mm (11.15 x 8.57 x 0.57 inches)

Weight

Models	Weight
Tablet with folio keyboard	Tablet: around 760 g (1.67lbs) Folio keyboard: 340 g (0.75lbs) Total: 1,100 g (2.42 lbs)
Tablet	Tablet: around 760 g (1.67 lbs)

Case Color

Black

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

Magnesium-aluminium

Others

- Hinge locking: 170°
- Kensington® Nano Security Slot™

Buttons

- Power button
- Volume button

Notes:

1. Surface treatment: Peachskin paint

CONNECTIVITY

Network

WLAN + Bluetooth®

Intel Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, MU-MIMO

WWAN

- Fibocom L850-GL, 4G LTE CAT9, M.2 card
- No support

SIM Card

- Gemalto eSIM card (physical)
- No SIM card inbox

NFC

- Near Field Communication
- No support

Wi-Fi Direct

Support (Miracast®)

Wi-Fi Display

Support

Location Services\*\*

Models	Location
WLAN model	No location service
WWAN model	GPS + GLONASS + A-GPS

Ports<sup>[1]</sup>

Standard Ports

- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Pogo pin connector (8-point)

Optional Ports

1x Nano-SIM card slot (WWAN support models)

Notes:

1. The transfer speed of following 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.  
USB 2.0: 480 Mbit/s;  
USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;  
USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;  
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;  
Thunderbolt 3/4: 40 Gbit/s

Docking

Docking

- ThinkPad® X12 Folio Keyboard with touchpad (pogo pin, detachable), 3-level backlight
- No dock

## Monitor Cable

### Monitor Cable\*\*\*

- Lenovo USB-C to VGA Adapter
- Lenovo USB-C to HDMI® Adapter
- No monitor cable

## 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

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

## MANAGEABILITY

### System Management

#### System Management<sup>[1]</sup>

- Intel vPro
- Non-vPro

---

Notes:

1. Intel vPro offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*<sup>[1]</sup>

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service
- No base warranty

---

Notes:

1. More information of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

## ENVIRONMENTAL

### Operating Environment

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

- 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)

#### 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).

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\***

- Lenovo USB-C to Ethernet Adapter
- Lenovo USB-C Port Replicator
- None

## CERTIFICATIONS

### Green Certifications

**Green Certifications**

- EPEAT™ Gold (tablet mode)
- EPEAT Silver (notebook mode)
- ENERGY STAR® 8.0
- ErP Lot 3
- FAA certified
- Low Halogen
- TCO Certified 8.0
- RoHS compliant

### 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.
- 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. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.

