

## OVERVIEW



1. Headphone / microphone combo jack (3.5mm)	3. Thunderbolt 4
2. Thunderbolt 4	4. Power button

Notes:

- Optional nano-SIM card slot on the rear side (not shown on the sample product above)

## PERFORMANCE

### Processor

#### Processor Family

11th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor 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

### Operating System

#### Operating System\*\*

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 DG Windows 10 Pro 64
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 IoT Enterprise LTSC
- Linux
- Ubuntu Linux
- No operating system

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel Iris Xe Graphics	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

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

- Thunderbolt supports up 5120x3200@60Hz

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[2]</sup>

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR4x-4266

#### Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.
2. 8GB memory is NOT available in EMEA.

### Storage

#### Storage Support

# ThinkPad X1 Nano Gen 1

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

## Storage Type

Disk Type	Interface	RPM	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x4	-	-

## Removable Storage

### Optical

None

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2 woofers and 1W x2 tweeters, Dolby® Atmos®

### Microphone

Four microphones, quad-array, 360° far-field

### Camera

IR & 720p hybrid, with privacy shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

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

MobileMark® 2018: 13.6 hr

JEITA 2.0: 22.87 hr

### Notes:

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

- 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

### Notes:

- No power adapter is for special bid only.

## DESIGN

## Display

### Display<sup>\*\*[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
13.0"	2K (2160x1350)	None	IPS	450 nits	Anti-glare	16:10	1000:1	100% sRGB	170°	Low power
13.0"	2K (2160x1350)	Multi-touch	IPS	450 nits	Anti-reflection, Anti-smudge	16:10	1000:1	100% sRGB	170°	Low power

**Touchscreen**

- Capacitive-type on-cell multi-touch, supports 10-point touch
- Non-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****Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

LED backlight

**UltraNav™**

TrackPoint® pointing device and glass surface multi-touch touchpad

**Mechanical<sup>[1]</sup>****Dimensions (WxDxH)**

Models	Dimensions
Touch models	292.9 x 207.8 x 14.27-17.2 mm (11.53 x 8.18 x 0.56-0.68 inches)
Non-touch models	292.8x 207.7 x 13.87-16.7 mm (11.53 x 8.18 x 0.55-0.66 inches)

**Weight**

Models	Weight
Non-touch with Wi-Fi® models	907 g (1.99 lbs)
Non-touch with WWAN models	939 g (2.07lbs)
Touch with Wi-Fi models	969 g (2.14 lbs)
Touch with WWAN models	1001 g (2.21 lbs)

**Case Color\*\***

- Black, paint
- Black, weave

**Case Material**

Carbon fiber (top), magnesium alloy (bottom)

**Notes:**

1. The system dimensions and weight vary depending on configurations.

**CONNECTIVITY****Network****Onboard Ethernet<sup>[1]</sup>**

No Ethernet

**WLAN + Bluetooth®<sup>[2]</sup>**

Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2

**WWAN\*\*<sup>[3]</sup>**

- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Integrated Mobile Broadband 4G LTE-A, CAT9, Fibocom L850-GL, M.2 card
- Qualcomm® Snapdragon™ X55 5G Modem-RF System, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

- Gemalto eSIM
- No SIM card inbox

# ThinkPad X1 Nano Gen 1

## NFC

No support

### Notes:

1. Ethernet support via optional Lenovo USB-C to Ethernet Adapter
2. Wi-Fi 6 full features might be limited by country-level restrictions.  
Bluetooth 5.2 is supported with driver version 22.30 and later.
3. For non-WWAN model, it means the model is NOT WWAN upgradable.

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

### Standard Ports

- 2x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

1x Nano-SIM card slot (WWAN model)

### 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;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s

## Docking

### Docking

Various docking solutions supported via Thunderbolt.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Nano Gen 1](#)

## Monitor Cable

### Monitor Cable

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

## SECURITY & PRIVACY

## Security

### Security Chip\*\*

- Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset
- Disabled (in some regions)

### Smart Card Reader

No smart card reader

### Fingerprint Reader

Touch style fingerprint reader on palm rest, match-on-chip

### BIOS Security

- Power-on password
- Supervisor password
- Hard disk password
- Firmware Resiliency 2.0

### Other Security

- ThinkShutter camera cover
- (Optional) IR camera for Windows Hello
- (Optional) Human Presence Detection

## 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
- 1-year limited onsite service
- 1-year + 2-year depot service
- 1-year + 2-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 package: -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<sup>\*\*\*</sup>

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

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- EPEAT™ Gold

- ENERGY STAR® 8.0
- TCO Certified
- RoHS compliant

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

(Optional) Intel Evo™ Platform

- 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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