

# ThinkPad X1 Titanium Yoga Gen 1

## OVERVIEW



1. 2x Thunderbolt 4	3. Headphone / microphone combo jack (3.5mm)
2. Power button	4. Kensington Nano Security Slot

### Notes:

- Optional nano-SIM card slot on the left 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® 10 Home 64
- Windows 10 Pro 64
- 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 via native display and 2 external monitors; supports external monitors via Thunderbolt™ (5120x3200@60Hz)

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Memory Type

LPDDR4x-4266, PoP (Package on Package) memory

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

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

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

#### 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

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® ALC3286 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Atmos®

### Microphone

Four array microphones

### Camera

IR & 720p, with privacy shutter, fixed focus

## Sensor

### Sensors

- Gyroscope sensor
- Accelerometer (G) sensor
- Proximity sensor (WWAN model)
- ToF sensor

## Battery

### Battery

Integrated Li-Polymer 44.5Wh battery

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

MobileMark® 2018: 11.7 hr

JEITA 2.0: 16.8 hr

### Notes:

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

65W USB-C slim AC adapter

## DESIGN

## Display

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
13.5"	QHD (2256x1504)	Multi-touch	IPS	450 nits	Anti-reflection, Anti-smudge	3:2	1200:1	72% NTSC	170°	Dolby Vision™

### Touchscreen

Capacitive-type multi-touch, supports 10-point touch

### Multi-mode

Laptop, tent, stand and tablet modes supported by 360° hinge

### Notes:

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## 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

- Lenovo Precision Pen, magnetically attached to the system
- No pen (pen needs to be purchased separately)

### Keyboard

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

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad

## Mechanical

### Dimensions (WxDxH)

297.5 x 232.7 x 11.5 mm (11.71 x 9.16 x 0.45 inches)

### Weight

Models	Weight
WLAN models	1.15 kg (2.54 lbs)
WWAN models	1.18 kg (2.60 lbs)

### Case Color

Titanium

### Case Material

Titanium + carbon fiber (top), magnesium-aluminium (bottom)

## CONNECTIVITY

### Network

#### Onboard Ethernet

Ethernet support via optional Lenovo USB-C to Ethernet Adapter

#### WLAN + Bluetooth™<sup>[1]</sup>

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

#### WWAN

- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- Qualcomm® Snapdragon™ X55 5G Modem M.2 card - RF System with embedded eSIM functionality
- Not Support

#### SIM Card

- Gemalto eSIM
- No SIM card

#### NFC

Not support

#### Notes:

1. Intel WiFi 6 full features might be limited by country level restrictions  
Bluetooth 5.2 is supported with driver version 22.30 and later

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

#### Standard Ports<sup>[2]</sup>

- 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 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: 40 Gbit/s;
  - FireWire 400: 400 Mbit/s;
  - FireWire 800: 800 Mbit/s
2. Depending on many factors, actual data transfer speed may be lower than theoretical speed

## Monitor Cable

### Monitor Cable

- Lenovo USB-C to HDMI® Adapter
- 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)

#### Physical Locks

Kensington® Nano Security Slot

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader on the top right of keyboard bezel with Prometheus slim type sensor, match-on-chip

#### BIOS Security

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

#### Other Security

- Camera privacy shutter
- IR camera for Windows Hello
- Human Presence Detection

## MANAGEABILITY

### System Management

#### System Management

- Intel vPro Technology, DASH
- None

## SERVICE

### Warranty

#### Base Warranty

- 1-year depot service
- 1-year limited onsite service
- 1-year depot with 2-year system board 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

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories

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

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO
- RoHS compliant

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

(Optional) Intel Evo™ Platform



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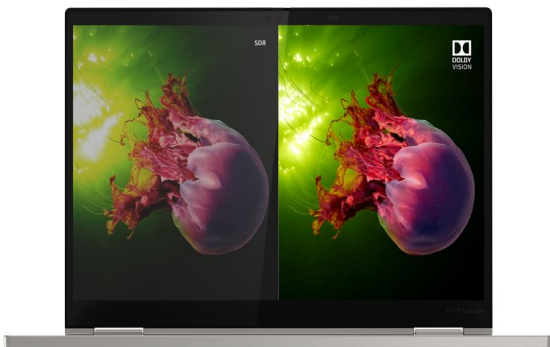
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