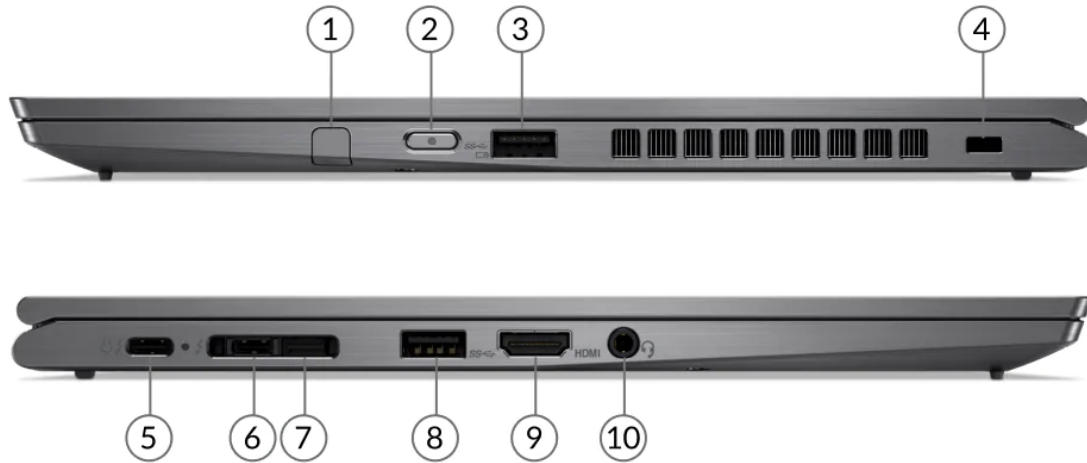


**OVERVIEW**



1. Pen slot	6. USB-C 3.2 Gen 2 / Thunderbolt 3
2. Power button	7. Ethernet extension connector
3. USB 3.2 Gen 1 (Always On)	8. USB 3.2 Gen 1
4. Kensington Security Slot	9. HDMI 1.4b
5. USB-C 3.2 Gen 2 / Thunderbolt 3	10. Headphone / microphone combo jack (3.5mm)

Notes:

- Optional nano-SIM card slot on the rear side (not shown on the sample product above)
- The combination of 6 and 7 is side docking connector

## PERFORMANCE

### Processor

#### Processor Family

10th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i5-10210U	4	8	1.6GHz	4.2GHz	6MB	LPDDR3-2133	Intel UHD Graphics
Core i5-10310U	4	8	1.7GHz	4.4GHz	6MB	LPDDR3-2133	Intel UHD Graphics
Core i7-10510U	4	8	1.8GHz	4.9GHz	8MB	LPDDR3-2133	Intel UHD Graphics
Core i7-10610U	4	8	1.8GHz	4.9GHz	8MB	LPDDR3-2133	Intel UHD Graphics
Core i7-10710U	6	12	1.1GHz	4.7GHz	12MB	DDR4-2666	Intel UHD Graphics
Core i7-10810U	6	12	1.1GHz	4.9GHz	12MB	DDR4-2666	Intel UHD Graphics

### Operating System

#### Operating System\*\*

- Windows® 10 Pro 64
- Windows 10 Home 64
- Linux
- Ubuntu Linux
- No operating system

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

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

- HDMI supports up to 4K@24Hz
- Thunderbolt supports up to 5K@60Hz

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

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

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR3-2133

#### 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.

### Storage

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

One drive, up to 2TB M.2 2280 SSD, optional Intel Optane™ Memory integrated with SSD, M.2

**Storage Type\*\***

Disk Type	Interface	RPM	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe 3.0 x4	-	Opal2
Intel Optane Memory with Solid State Storage, M.2 2280	PCIe NVMe, PCIe 3.0 x4	-	-

## Notes:

- 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.

**Removable Storage****Optical**

None

**Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, USI 4551-513711-00 codec

**Speakers**

Stereo speakers, 2W x2 and 0.8W x2, Dolby® Atmos®

**Microphone**

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

**Camera\*\***

- HD 720p, with ThinkShutter, fixed focus
- IR & HD 720p hybrid, with ThinkShutter, fixed focus

**Sensor****Sensors**

- Accelerometer (G) sensor
- Ambient light sensor (ALS)
- e-Compass
- Gyroscope sensor
- Proximity (P) sensor

**Battery****Battery**

Integrated Li-Polymer 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

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

MobileMark® 2014: 19.3 hr

MobileMark 2018: 13.0 hr

JEITA 2.0: 19.3 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>**

- 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

# ThinkPad X1 Yoga Gen 5

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

Notes:

- AC adapter offerings depend on the country.

## DESIGN

### Display

Display\*\*<sup>[1][2]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
14.0"	FHD (1920x1080)	Multi-touch	IPS	400 nits	Anti-reflection Anti-smudge	16:9	700:1	72% NTSC	170°	Low power
14.0"	FHD (1920x1080)	Multi-touch	IPS	500 nits	Anti-reflection Anti-smudge	16:9	1000:1	72% NTSC	170°	ThinkPad® Privacy Guard
14.0"	WQHD (2560x1440)	Multi-touch	IPS	300 nits	Anti-reflection Anti-smudge	16:9	1000:1	72% NTSC	170°	-
14.0"	UHD (3840x2160)	Multi-touch	IPS	500 nits	Anti-reflection Anti-smudge	16:9	1500:1	90% DCI-P3	170°	Dolby Vision™, DisplayHDR™ 400

### Touchscreen

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

Notes:

- 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>
- WQHD is not available in EMEA.

### Multi-mode

#### Multi-mode

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

### Input Device

#### Pen

ThinkPad Pen Pro - 6, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable

#### 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
Privacy Guard models	323 x 218 x 15.95 mm (12.71 x 8.58 x 0.63 inches)

Non-Privacy Guard models	323 x 218 x 15.5 mm (12.71 x 8.58 x 0.61 inches)
--------------------------	--

**Weight**

Models	Weight
Non-Privacy Guard models	1.36 kg (2.99 lbs)
Privacy Guard models	1.47 kg (3.24 lbs)

**Case Color**

Iron grey

**Case Material**

Aluminium (top), magnesium (bottom)

**Notes:**

- The system dimensions and weight vary depending on configurations.

**CONNECTIVITY****Network****Ethernet\*\***

- Gigabit Ethernet, Intel Ethernet Connection I219-LM (vPro models), 1x RJ-45 via optional ThinkPad Ethernet Extension Adapter Gen 2, supports Wake-on-LAN
- Gigabit Ethernet, Intel Ethernet Connection I219-V (non-vPro models), 1x RJ-45 via optional ThinkPad Ethernet Extension Adapter Gen 2, supports Wake-on-LAN

**WLAN + Bluetooth®<sup>[1][2]</sup>**

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

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

- Fibocom L850-GL, 4G LTE CAT9, M.2 card
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card
- No support

**SIM Card\*\***

- Gemalto eSIM
- Nano SIM card, Lenovo Connect 4 months, 4G LTE
- No SIM card inbox

**NFC**

- Near Field Communication
- No support

**Notes:**

- Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
- Wi-Fi 6 full features might be limited by country-level restrictions.
- For non-WWAN model, it means the model is NOT WWAN upgradable.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB-C 3.2 Gen 2 / Thunderbolt 3 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.2)
- 1x HDMI 1.4b
- 1x Ethernet extension connector
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Side docking connector

**Optional Ports**

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

**Notes:**

- 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.

# ThinkPad X1 Yoga Gen 5

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

Various docking solutions supported via side docking connector, Thunderbolt or USB-C.  
For more compatible docking solutions, please visit [Docking for ThinkPad X1 Yoga® Gen 5](#)

## Monitor Cable

### Monitor Cable

- Lenovo HDMI to VGA Monitor Adapter
- No monitor cable

## SECURITY & PRIVACY

## Security

### Security Chip\*\*

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

### Physical Locks

Kensington® Security Slot™

### 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
- Self-healing BIOS

### Other Security

- ThinkShutter camera cover
- (Optional) IR camera for Windows Hello
- (Optional) Privacy Guard with Privacy Alert

## 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 courier with 2-year system board service (Korea only)

- 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

- ThinkPad Ethernet Extension Adapter Gen 2
- None

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

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

### Other Certifications

#### Mil-Spec Test

MIL-STD-810G military test passed

#### Other Certifications

Athena certified

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