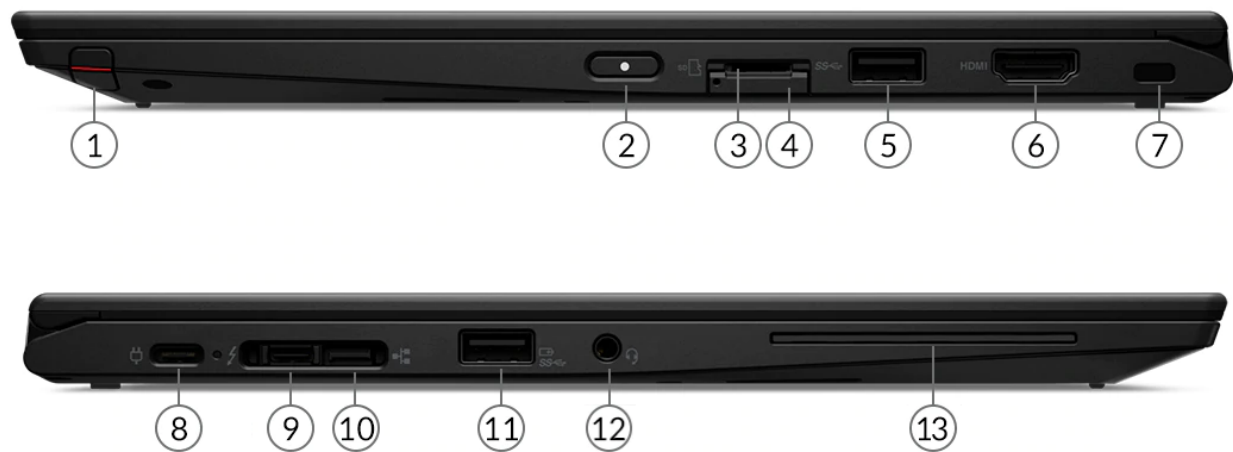


OVERVIEW



| | |
|-----------------------------|---|
| 1. Pen slot | 8. USB-C 3.2 Gen 1 |
| 2. Power button | 9. USB-C 3.2 Gen 2 / Thunderbolt 3 |
| 3. MicroSD card reader | 10. Ethernet extension connector |
| 4. Nano-SIM card slot * | 11. USB 3.2 Gen 1 (Always On) |
| 5. USB 3.2 Gen 1 | 12. Headphone / microphone combo jack (3.5mm) |
| 6. HDMI 1.4b | 13. Smart card reader * |
| 7. Kensington Security Slot | |

- Notes:
- Ports with * are only available on selected models
 - The combination of 9 and 10 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 | DDR4-2666 | Intel UHD Graphics |
| Core i5-10310U | 4 | 8 | 1.7GHz | 4.4GHz | 6MB | DDR4-2666 | Intel UHD Graphics |
| Core i7-10510U | 4 | 8 | 1.8GHz | 4.9GHz | 8MB | DDR4-2666 | Intel UHD Graphics |
| Core i7-10610U | 4 | 8 | 1.8GHz | 4.9GHz | 8MB | DDR4-2666 | 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®, USB-C and Thunderbolt™)

- HDMI supports up to 4096x2160@24Hz
- USB-C supports up to 4096x2304@60Hz
- Thunderbolt supports up to 4096x2304@60Hz

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory^[1]

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

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type^[2]

DDR4-2666

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. Installed memory is actually 3200MHz but run at 2666MHz due to processor limitation.

Storage

Storage Support^[1]

One drive, up to 512GB M.2 2242 SSD or 2TB M.2 2280 SSD, optional Intel Optane™ Memory integrated with SSD, M.2

Storage Type**

| Disk Type | Interface | RPM | Security |
|--|--------------------------|-----|----------|
| M.2 2242 SSD | PCIe® NVMe®, PCIe 3.0 x2 | - | - |
| 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:
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.

Removable Storage

- Optical
- None
- Card Reader
- MicroSD card reader

Multi-Media

- Audio Chip
- High Definition (HD) Audio, Realtek® ALC3287 codec
- Speakers
- Stereo speakers, 2W x2, Dolby® Audio™
- Microphone
- Dual array microphone, far-field

- Camera**
- 720p, with ThinkShutter, fixed focus
 - IR & 720p hybrid, with ThinkShutter, fixed focus

Sensor

- Sensors
- Accelerometer (G) sensor
 - Gyroscope sensor
 - Proximity (P) sensor (WWAN model)

Battery

- Battery
- Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Max Battery Life^[1]
- MobileMark® 2014: 18.2 hr
- MobileMark 2018: 12.05 hr
- JEITA 2.0: 16.2 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**^[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 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

- 65W USB-C (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 | Key Features |
|-------|-----------------|-------------|------|------------|------------------------------|--------------|----------------|-------------|---------------|-------------------------|
| 13.3" | FHD (1920x1080) | Multi-touch | IPS | 300 nits | Anti-reflection, Anti-smudge | 16:9 | 800:1 | 72% NTSC | 170° | - |
| 13.3" | FHD (1920x1080) | Multi-touch | IPS | 400 nits | Anti-reflection, Anti-smudge | 16:9 | 1500:1 | 72% NTSC | 170° | Low power |
| 13.3" | FHD (1920x1080) | Multi-touch | IPS | 500 nits | Anti-reflection, Anti-smudge | 16:9 | 1000:1 | 72% NTSC | 170° | ThinkPad® Privacy Guard |
| 13.3" | UHD (3840x2160) | Multi-touch | OLED | 400 nits | Anti-reflection, Anti-smudge | 16:9 | 100000:1 | 100% DCI-P3 | 170° | - |

Touchscreen

Capacitive-type multi-touch, supports 10-point touch, could reduce the brightness by up to 10%

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>

Multi-mode

Multi-mode

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

Input Device

Pen

- ThinkPad Pen Pro - 7, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen (pen sold 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[1]

Dimensions (WxDxH)

310.4 x 219 x 15.95 mm (12.22 x 8.62 x 0.63 inches)

Weight

1.25 kg (2.76 lbs)

Case Color

Black

Case Material

Carbon fiber hybrid (top), carbon fiber hybrid (bottom)

Notes:

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

CONNECTIVITY

Network

Onboard 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^{[1][2]}

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

WWAN**^[3]

- Integrated Mobile Broadband 4G LTE-A, CAT9, Fibocom L850-GL, M.2 card
- Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, CAT16, M.2 card
- No support

SIM Card

- Gemalto eSIM
- No SIM card inbox

NFC

- Near Field Communication
- No support

Notes:

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

Ports^[1]

Standard Ports

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

Optional Ports***

- 1x Smart card reader
- 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;
FireWire 400: 400 Mbit/s;
FireWire 800: 800 Mbit/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 X13 Yoga® Gen 1](#)

Monitor Cable

Monitor Cable***

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to DisplayPort 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® Security Slot

Smart Card Reader

- 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^[1]

- Intel vPro
- Non-vPro

Notes:

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

SERVICE

Warranty

Base Warranty**^[1]

- 1-year depot service
- 1-year depot 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^[1]

- 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

- 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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