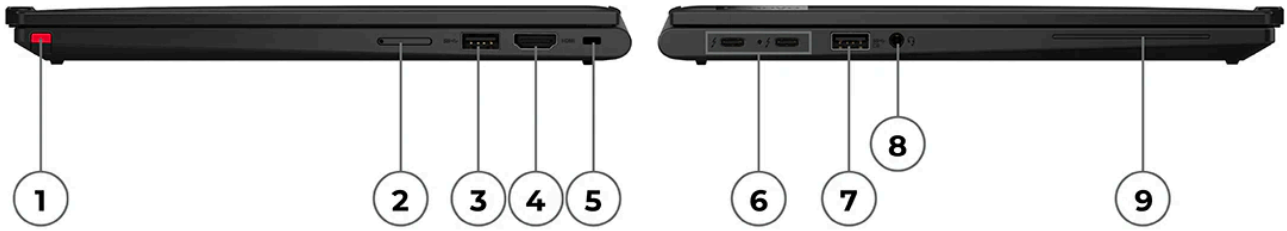
# OVERVIEW




| | |
|---|---|
| 1. Pen slot * | 6. 2x Thunderbolt 4 |
| 2. Nano-SIM card slot * | 7. USB 3.2 Gen 1 (Always On) |
| 3. USB 3.2 Gen 1 | 8. Headphone / microphone combo jack (3.5mm) |
| 4. HDMI | 9. Smart card reader * |
| 5. Kensington Nano Security Slot | |

Notes:
- Items with * are only available on selected models

# PERFORMANCE

## Processor

**Processor Family**

13th Generation Intel® U or P Series Core™ i5 / i7 Processor

**Processor**[**][1]

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|---|---|---|---|---|---|---|
| Core i5-1335U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.3GHz / E-core 0.9GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB | Intel Iris® Xe Graphics |
| Core i5-1345U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.6GHz / E-core 1.2GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB | Intel Iris Xe Graphics |
| Core i7-1355U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.7GHz / E-core 1.2GHz | P-core 5.0GHz / E-core 3.7GHz | 12MB | Intel Iris Xe Graphics |
| Core i7-1360P | 12 (4 P-core + 8 E-core) | 16 | P-core 2.2GHz / E-core 1.6GHz | P-core 5.0GHz / E-core 3.7GHz | 18MB | Intel Iris Xe Graphics |
| Core i7-1365U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.8GHz / E-core 1.3GHz | P-core 5.2GHz / E-core 3.9GHz | 12MB | Intel Iris Xe Graphics |
| Core i7-1370P | 14 (6 P-core + 8 E-core) | 20 | P-core 1.9GHz / E-core 1.4GHz | P-core 5.2GHz / E-core 3.9GHz | 24MB | Intel Iris Xe Graphics |

Notes:

[1] Intel P series processors are for special bid only.

## Operating System

**Operating System****

- Linux[1]
- Ubuntu Linux[2]
- Windows® 11 DG Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

## Graphics

**Graphics**

| Graphics | Type | Memory | Key Features |
|---|---|---|---|
| Intel Iris Xe Graphics | Integrated | Shared | DirectX® 12.1 |

## Monitor Support

**Monitor Support**[1]

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)
• Thunderbolt supports up to 5K@60Hz
• HDMI supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

**Chipset**

Intel SoC (System on Chip) platform

## Memory

**Max Memory**

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

**Memory Slots**

Memory soldered to systemboard, no slots, dual-channel

**Memory Type**

LPDDR5-4800[1]

Notes:

[1] Installed memory is actually 6400MHz but run at 4800MHz due to platform limitation.

## Storage

**Storage Support**[1]

One drive, up to 2TB M.2 2280 SSD

**Storage Slot**

One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type****

| Disk Type | Interface | Offering | Security |
|---|---|---|---|
| M.2 2280 SSD | PCIe NVMe®, PCIe 4.0 x4 | 256GB / 512GB / 1TB | Opal 2.0 |
| M.2 2280 SSD | PCIe NVMe, PCIe 4.0 x4 Performance | 512GB / 1TB / 2TB | Opal 2.0 |

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

**Card Reader**

No card reader

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby® Audio™

**Microphone**

- Dual-microphone array, 360° far-field, Dolby Voice
- No microphone

**Camera****

- FHD 1080p, with privacy shutter, fixed focus
- 5.0MP + IR discrete, with privacy shutter, fixed focus
- No camera[1]

Notes:

[1] No camera is for special bid only.

## Battery

**Battery****

- Integrated Li-Polymer 41Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**[1]

Configuration 1 (max battery life)

MobileMark® 25: up to 11.2 hr with 769 performance score @250nits
JEITA 2.0: up to 22.6 hr @150nits
Local video playback: up to 18.0 hr @150nits

Alternate configuration 2
MobileMark 25: up to 10.8 hr with 707 performance score @250nits
JEITA 2.0: up to 21.8 hr @150nits
Local video playback: up to 17.3 hr @150nits

Alternate configuration 3
MobileMark 25: up to 9.8 hr with 739 performance score @250nits
JEITA 2.0: up to 18.1 hr @150nits
Local video playback: up to 15.3 hr @150nits

Notes:

[1] Configuration 1 (max battery life): WUXGA low power (touch), Intel i5-1335U, 8GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode
Alternate configuration 2: WUXGA low power (touch), Intel i7-1360P, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode
Alternate configuration 3: WUXGA anti-glare (touch), Intel i7-1370P, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using MobileMark 2018, MobileMark 25, JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode with 150nits brightness and default volume level), or Google Power Load Test (PLT) battery-life benchmark tests.
Actual battery life will vary depending on many factors such as product configuration, software, wireless functionality, power management settings, and screen brightness.
The maximum capacity of the battery will decrease with time, ambient temperature and use.
Refer to Microsoft® link for more information about the Windows Performance power slider.

## 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 (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

Notes:

[1] AC adapter offerings depend on the country.

# DESIGN

## Display

**Display**[**][1][2]

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) | Key Features |
|---|---|---|---|---|---|---|---|---|---|---|
| 13.3" | WUXGA (1920x1200) | Multi-touch | IPS | 300 nits | Anti-glare | 16:10 | 1000:1 | 100% sRGB | 85°/85°/85°/85° | - |
| 13.3" | WUXGA (1920x1200) | Multi-touch | IPS | 300 nits | Anti-reflection, anti-smudge | 16:10 | 1000:1 | 100% sRGB | 85°/85°/85°/85° | - |
| 13.3" | WUXGA (1920x1200) | Multi-touch | IPS | 400 nits | Anti-glare | 16:10 | 1200:1 | 100% sRGB | 85°/85°/85°/85° | Low power, Eyesafe® Certified 2.0, ICC Template color calibration |

**Color Calibration**

- ICC Template color calibration
- No color calibration

**Touchscreen**

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

[1] California Electronic Waste Recycling Fee
In California USA, 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, please go to https://www.calrecycle.ca.gov/Electronics/Consumer.
[2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Multi-mode

**Multi-mode**

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

## Input Device

**Pen**

- Lenovo Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen (with a pen garage ready, purchase separately)

**Keyboard**

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

**Keyboard Backlight**

LED backlight

**UltraNav™**

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

**Dimensions (WxDxH)**[1]

301.7 x 214.6 x 16.4 mm (11.88 x 8.45 x 0.65 inches)

**Weight**[2]

Starting at 1.21 kg (2.66 lbs)

**Case Color****

- Deep black
- Storm grey

**Case Material**

Magnesium (top), magnesium (bottom)

Notes:

[1] The system dimensions may vary depending on configurations.
[2] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

# CONNECTIVITY

## Network

**Ethernet**

No onboard Ethernet[1]

**WLAN + Bluetooth®**[2]

Intel Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1[3]

**WWAN****

- Wireless WAN upgradable to 4G (with antenna ready)[4]
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality

- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo USB-C to Ethernet Adapter.
[2] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.
[3] Wi-Fi 6E full features might be limited by country-level restrictions.
Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.
6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation.
[4] Wireless WAN upgradable to 4G is ONLY available in EMEA.

## Ports[1]

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

**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;
USB4 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
USB4 40Gbps (USB 40Gbps): 40 Gbit/s;
Thunderbolt 3/4: 40 Gbit/s.

## Docking

**Docking**

Various docking solutions supported via Thunderbolt / USB-C.
For more compatible docking solutions, please visit Docking for ThinkPad® X13 Yoga® Gen 4

## Monitor Cable

**Monitor Cable*****

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to VGA Adapter
- Lenovo USB-C to DisplayPort Adapter
- No monitor cable

# SECURITY & PRIVACY

## Security

**Security Chip**

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader
- No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- Power-on password
- Supervisor password
- System management password
- NVMe password
- FIDO (Fast Identity Online) authentication
- Certificate based BIOS authentication
- Firmware Resiliency 3.0

**Other Security**

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)

# MANAGEABILITY

## System Management

**System Management**

- Intel vPro® Enterprise[1]
- Non-vPro

Notes:

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

# SERVICE

## Warranty[1]

**Base Warranty****

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

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to https://smartfind.lenovo.com/. To learn more details of warranty policy, please access https://pcsupport.lenovo.com/warranty.

# ENVIRONMENTAL

## Sustainability

**Material**

90% recycled magnesium on top cover
90% recycled magnesium on keyboard cover
90% recycled magnesium on bottom cover
90% PCC recycled plastic used in speaker enclosure
90% PCC recycled plastic used in the battery enclosure
90% PCC recycled plastic used in standard 45W and 65W adapters
Low-temperature solder
Retail or standard packaging: plastic free packaging with 100% bamboo sugarcane fiber

Bulk packaging: 90% recycled and FSC certified content

## 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**

- Lenovo USB-C to Ethernet Adapter
- None

# CERTIFICATIONS

## Green Certifications[1]

**Green Certifications**

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Gold Registered[2]
- ErP Lot 6/26
- TCO Certified 9.0
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[2] EPEAT is registered where applicable, please see https://www.epeat.net for registration status by country.

## Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Intel Evo™ Platform
- (Optional) Eyesafe Certified 2.0

- 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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