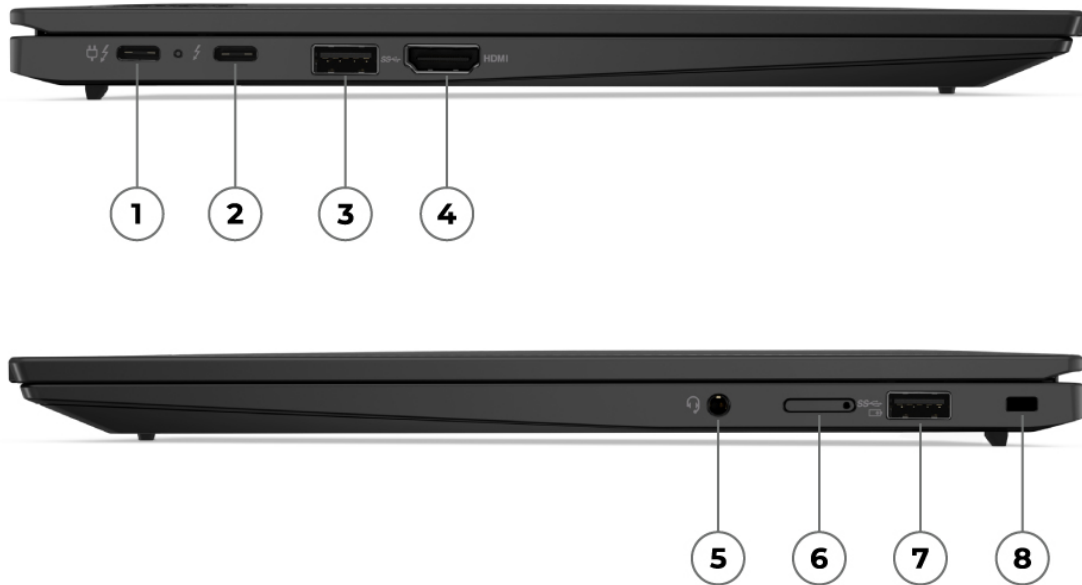


OVERVIEW



| | |
|------------------|--|
| 1. Thunderbolt 4 | 5. Headphone / microphone combo jack (3.5mm) |
| 2. Thunderbolt 4 | 6. Nano-SIM card slot * |
| 3. USB 3.2 Gen 1 | 7. USB 3.2 Gen 1 (Always On) |
| 4. HDMI | 8. 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 i5-1340P | 12 (4 P-core + 8 E-core) | 16 | P-core 1.9GHz / E-core 1.4GHz | 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® Core™ i5-1340P, i5-1350P and i7-1360p are for special bid only.

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux^[1]
- Ubuntu Linux^[2]
- Linux^[3]
- No preload operating system

Notes:

[1], [2], [3] 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 | TGP | Key Features |
|--------------------------|------------|--------|---------------|---------------|
| Intel® Iris® Xe Graphics | Integrated | Shared | Share CPU TDP | 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

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, 8-channel

Memory Type**

- LPDDR5/x-6000 (32GB)^[1]
- LPDDR5/x-6400 (16GB)^[2]
- LPDDR5x-6000 (64GB)^[3]

Notes:

[1] Installed memory is actually LPDDR5-6400 or LPDDR5x-7500 but run as LPDDR5-6000 or LPDDR5x-6000 due to platform limitation.

[2] Installed LPDDR5x memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

[3] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6000 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.

Removable Storage

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

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

Microphone

Quad-microphone array, 360° far-field, Dolby Voice®

Camera**

- FHD 1080p + IR discrete, with privacy shutter, MIPI, fixed focus, Computer Vision
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

Battery

Battery^[1]

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

Battery Life^[2]

Configuration 1 (max battery life)

MobileMark® 25: up to 13.95 hr with 658 performance score @250nits

JEITA 2.0: up to 28.5 hr @150nits

Local video playback: up to 22.9 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 13.63 hr with 654 performance score @250nits

JEITA 2.0: up to 26.4 hr @150nits

Local video playback: up to 20.5 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 13.48 hr with 642 performance score @250nits

JEITA 2.0: up to 24.8 hr @150nits

Local video playback: up to 19.8 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® i5-1345U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), Intel® i5-1340P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), Intel® i5-1350P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [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
- No power adapter^[2]

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

DESIGN**Display****Display**^{**}

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) | Key Features |
|------|-------------------|-------|--------------------|------------|------------|--------------|----------------|-------------|-------------------------|-------------------------------|
| 14" | WUXGA (1920x1200) | None | IPS ^[1] | 400nits | Anti-glare | 16:10 | 1000:1 | 100% sRGB | 85° / 85° / 85° / 85° | Low power, Eyesafe® Certified |

| | | | | | | | | | | |
|-----|-------------------|-------------|--------------------|---------|--|-------|-----------|-------------|-----------------------|---|
| | | | | | | | | | | 2.0 |
| 14" | WUXGA (1920x1200) | Multi-touch | IPS ^[2] | 400nits | Anti-glare | 16:10 | 1000:1 | 100% sRGB | 85° / 85° / 85° / 85° | Low power, Eyesafe® Certified 2.0 |
| 14" | WUXGA (1920x1200) | Multi-touch | IPS ^[3] | 500nits | Anti-glare | 16:10 | 1000:1 | 100% sRGB | 85° / 85° / 85° / 85° | ThinkPad® Privacy Guard |
| 14" | 2.2K (2240x1400) | None | IPS ^[4] | 300nits | Anti-glare | 16:10 | 1500:1 | 100% sRGB | 85° / 85° / 85° / 85° | TÜV Low Blue Light (Hardware Solution) |
| 14" | 2.8K (2880x1800) | None | OLED | 400nits | Anti-glare, anti-reflection, anti-smudge | 16:10 | 100,000:1 | 100% DCI-P3 | 85° / 85° / 85° / 85° | DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0 |

Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device**Keyboard**

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

Keyboard Backlight

LED backlight

UltraNav™

TrackPoint® pointing device and glass surface multi-touch touchpad, 56 x 110 mm (2.20 x 4.33 inches)

Mechanical**Dimensions (WxDxH)^[1]**

| Models | Dimensions |
|--------------------------|---|
| Models with 720p camera | 315.6 x 222.5 x 14.96 mm (12.43 x 8.76 x 0.59 inches) |
| Models with other camera | 315.6 x 222.5 x 15.36 mm (12.43 x 8.76 x 0.60 inches) |

Weight^[2]

Starting at 1.12 kg (2.48 lbs)

Case Color**

- Deep black, paint
- Deep black, weave

Case Material

Carbon fiber (top), aluminium (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®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3^[2]

WWAN**

- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Fibocom L860-GL-16, 4G LTE CAT16, MIMO 4x4, M.2 card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, 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] 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.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

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™ 1.4a)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

Optional Ports

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® X1 Carbon Gen 11](#)

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

No smart card reader

Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

BIOS Security

- Supervisor password
- Power-on password
- System management password
- NVMe[®] password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

Other Security

- Privacy Guard with Privacy Alert (models with ThinkPad[®] Privacy Guard display)
- (Optional) IR camera for Windows[®] Hello (facial recognition)
- Camera privacy shutter
- Glance by Mirametrix[®]
- (Optional) Computer Vision-based User Presence Sensing including lock on leave

MANAGEABILITY

System Management

System Management**

- Intel[®] vPro[®] Enterprise^[1]
- Intel[®] vPro[®] Essentials^[2]
- Non-vPro[®]

Notes:

[1], [2] Intel[®] vPro[®] offers a superset of DASH's defined capabilities.

SERVICE

Warranty

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

ACCESSORIES

Bundled Accessories

Bundled Accessories***^[1]

- Lenovo[®] HDMI[®] to VGA Monitor Adapter
- Lenovo[®] USB-C[®] to Ethernet Adapter (1Gbps)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad[®] X1 Carbon Gen 11](#).

OPERATING REQUIREMENTS

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)

Relative 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).

ENVIRONMENTAL

Sustainability

Material

90% recycled magnesium on keyboard frame

55% recycled aluminium on bottom cover

90% PCC recycled plastic used in speaker enclosure

25-30% PCC recycled plastic used in the 57Wh 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

CERTIFICATIONS

Green Certifications^[1]

Green Certifications^[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered^[3]
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit epeat.net and energystar.gov for more information.

[3] EPEAT™ is registered where applicable, please visit 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
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- TÜV Rheinland® Dynamic Privacy Filter (DPF) Certification (Privacy Guard models)

• 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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