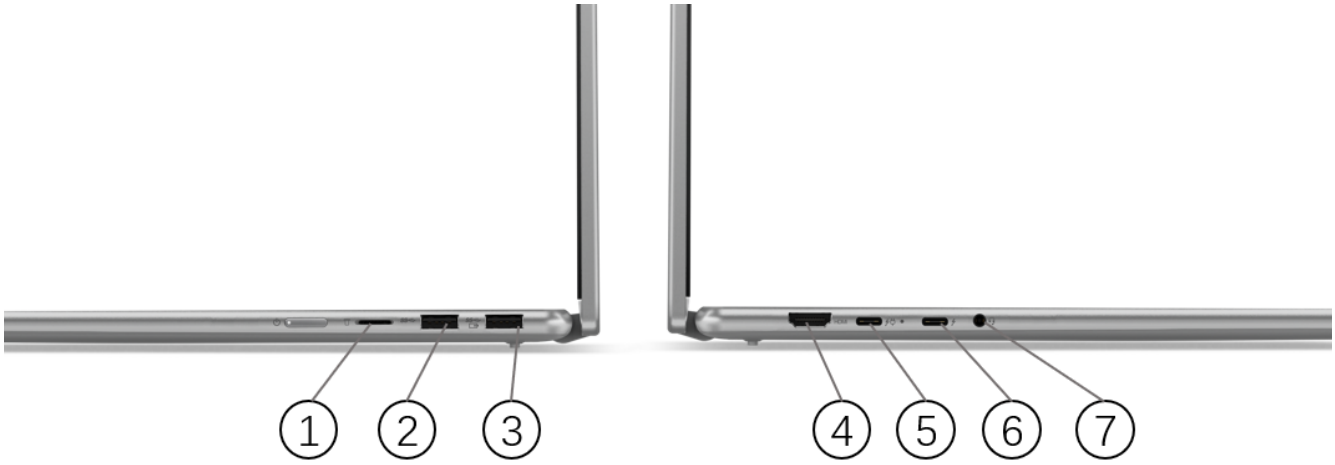
## OVERVIEW




| | |
|---|---|
| 1. microSD card reader | 5. Thunderbolt 4 |
| 2. USB 3.2 Gen 1 | 6. Thunderbolt 4 |
| 3. USB 3.2 Gen 1 (Always On) | 7. Headphone / microphone combo jack (3.5mm) |
| 4. HDMI | |

# PERFORMANCE

## Processor

**Processor Family**

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

**Processor****

| Processor Name | Cores | Threads | Max Frequency | Cache | Processor Graphics |
|---|---|---|---|---|---|
| Core i5-1335U | 10 (2 P-core + 8 E-core) | 12 | 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 4.6GHz / E-core 3.4GHz | 12MB | Intel Iris Xe Graphics |
| Core i7-1355U | 10 (2 P-core + 8 E-core) | 12 | 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 5.0GHz / E-core 3.7GHz | 18MB | Intel Iris Xe Graphics |

## Operating System

**Operating System**[**[1]]**

- Windows® 11 Pro
- Windows 11 Home
- Windows 11 Home Single Language

Notes:

1. 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**

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)
• HDMI supports up to 4K@30Hz
• Thunderbolt supports up to 8K@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**

LPDDR5-5200

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**[1]

One drive, up to 1TB M.2 2242 SSD

**Storage Slot**

One M.2 2242 PCIe® 4.0 x4 slot

**Storage Type**

| Disk Type | Interface | Offering |
|---|---|---|
| M.2 2242 SSD | PCIe NVMe®, PCIe 4.0 x4 | 256GB / 512GB / 1TB |

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**

microSD card reader, supports UHS-I card

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3306 codec

**Speakers**

Stereo speakers, 2W x2, optimized with Dolby® Atmos®, Smart Amplifier (AMP)

**Microphone**

Dual-microphone array with noise-cancelling

**Camera**

FHD 1080p + IR, with privacy shutter, fixed focus

## Sensor

**Sensors**

- Accelerometer (G) sensor
- Hall sensor

## Battery

**Battery**[1]

Integrated Li-Polymer 71Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

**Max Battery Life**[2]

- WUXGA IPS models:
  MobileMark® 2018@200nits: 13.5 hr
  Local video (1080p) playback@150nits: 21.5 hr
- 2.5K IPS models:
  MobileMark 2018@200nits: 12.5 hr
  Local video (1080p) playback@150nits: 20.5 hr

Notes:

1. Rapid Charge Express is only effective in hibernates or fully shutting down the computer.
2. 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]

- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (2-pin, wall-mount) 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 (L/R/U/D) | Key Features |
|---|---|---|---|---|---|---|---|---|---|---|
| 16″ | WUXGA (1920x1200) | Multi-touch | IPS | 300 nits | Glossy | 16:10 | 800:1 | 45% NTSC | 89°/89°/89°/89° | TÜV Low Blue Light, Dolby Vision™ |
| 16″ | 2.5K (2560x1600) | Multi-touch | IPS | 400 nits | Glossy | 16:10 | 1200:1 | 100% sRGB | 89°/89°/89°/89° | TÜV Low Blue Light, Dolby Vision |

**Touchscreen**

GFF (Glass-Film-Film) Direct Bonding, capacitive-type multi-touch, supports 10-point touch

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**[**]

- Lenovo Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- Lenovo Precision Pen 2 with built-in rechargeable battery, 4096 levels of pressure sensitivity, tilt detection, supports WGP, AES 2.0 and MPP 2.0 protocols. For more information, please read Lenovo Precision Pen 2
- No pen (purchase separately)

**Keyboard**

6-row, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

LED backlight

**Touchpad**

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 80 x 135 mm (3.15 x 5.31 inches)

## Mechanical

**Dimensions (WxDxH)**[1]

362.2 x 250.1 x 19 mm (14.3 x 9.8 x 0.7 inches)

**Weight**[2]

| Models | Weight |
|---|---|
| WUXGA models | Starting at 2.04 kg (4.49 lbs) |
| 2.5K models | Starting at 1.98 kg (4.37 lbs) |

**Case Color**[**]

- Arctic grey
- Storm grey

**Surface Treatment**

Aluminium stamping (anodized with sandblasting)

**Case Material**

Aluminium (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

### WLAN + Bluetooth®[1][2]

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.
2. Wi-Fi 6E full features might be limited by country-level restrictions.
   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.

## Ports[1]

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x HDMI 1.4b
- 1x microSD card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 2x Thunderbolt 4 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

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

# SECURITY & PRIVACY

## Security

### Security Chip

Firmware TPM 2.0 integrated in SoC

### Fingerprint Reader

- Touch style fingerprint reader on palm rest
- No fingerprint reader

### BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password
- Self-healing BIOS

### Other Security

- Camera privacy shutter
- IR camera for Windows Hello

# 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)
- 2-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service

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

## Operating Environment

**Temperature**

- At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°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)

# CERTIFICATIONS

## Green Certifications[1]

**Green Certifications[2]**

- EPEAT™ Gold
- ENERGY STAR® 8.0
- ErP Lot 6
- ErP Lot 26
- 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) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland Low Blue Light (Software Solution)

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