

## OVERVIEW



|  |  |
|--|--|
| 1. Card reader                             | 4. HDMI                                      |
| 2. 2x USB 3.2 Gen 1 (one Always On)        | 5. Thunderbolt 4                             |
| 3. USB-C 2.0 (data transfer / PD 3.0 only) | 6. Headphone / microphone combo jack (3.5mm) |

## PERFORMANCE

### Processor

#### Processor Family

11th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics      |
|----------------|-------|---------|----------------|---------------|-------|----------------|-------------------------|
| Core i5-11300H | 4     | 8       | 3.1GHz         | 4.4GHz        | 8MB   | DDR4-3200      | Intel Iris® Xe Graphics |
| Core i5-11320H | 4     | 8       | 3.2GHz         | 4.5GHz        | 8MB   | DDR4-3200      | Intel Iris Xe Graphics  |
| Core i7-11370H | 4     | 8       | 3.3GHz         | 4.8GHz        | 12MB  | DDR4-3200      | Intel Iris Xe Graphics  |
| Core i7-11390H | 4     | 8       | 3.4GHz         | 5.0GHz        | 12MB  | DDR4-3200      | Intel Iris Xe Graphics  |

### Operating System

#### Operating System\*\*

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

### Graphics

#### Graphics

| Graphics              | Type     | Memory    | Key Features |
|-----------------------|----------|-----------|--------------|
| NVIDIA® GeForce MX450 | Discrete | 2GB GDDR6 | 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 3840x2160@24Hz
- Thunderbolt supports up to 5120x3200@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

DDR4-3200

#### 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 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

#### Storage Type\*\*

| Disk Type | Interface | Offering |
|-----------|-----------|----------|
|-----------|-----------|----------|

|              |                          |                     |
|--------------|--------------------------|---------------------|
| M.2 2242 SSD | PCIe® NVMe®, PCIe 3.0 x4 | 512GB               |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4   | 256GB / 512GB / 1TB |

**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**

4-in-1 card reader (SD, SDHC, SDXC, MMC)

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, optimized with Dolby® Atmos®

**Microphone**

Dual array microphone

**Camera**

IR &amp; HD 720p hybrid, fixed focus, with ToF sensor

## Battery

**Battery**

Integrated Li-Polymer 75Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

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

MobileMark® 2018@200nits: 10 hr

Local video (1080p) playback@150nits: 18 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>**

95W USB-C® (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]</sup>**

| Size  | Resolution       | Touch | Type | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Key Features             |
|-------|------------------|-------|------|------------|------------|--------------|----------------|-------------|---------------|--------------------------|
| 16.0" | 2.5K (2560x1600) | None  | IPS  | 350 nits   | Anti-glare | 16:10        | 1200:1         | 100% sRGB   | 175°          | -                        |
| 16.0" | 2.5K (2560x1600) | None  | IPS  | 350 nits   | Anti-glare | 16:10        | 1200:1         | 100% sRGB   | 175°          | Refresh rate 120Hz (Max) |

**Touchscreen**

Non-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>

**Input Device****Keyboard**

6-row, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

LED backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

**Mechanical<sup>[1]</sup>****Dimensions (WxDxH)**

356 x 251 x 16.9 mm (14.02 x 9.88 x 0.67 inches)

**Weight**

Around 1.9 kg (4.19 lbs)

**Case Color\*\***

- Cloud grey
- Storm grey

**Surface Treatment**

Aluminium stamping (anodized)

**Case Material**

Aluminium (top), aluminium (bottom)

**Notes:**

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

**CONNECTIVITY****Network****Onboard Ethernet**

No Ethernet

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

- Wi-Fi® 5, 802.11ac 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Wi-Fi 6, 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 limitation

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

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 2.0 (support data transfer and Power Delivery 3.0)
- 1x Thunderbolt 4 (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4)
- 1x HDMI 1.4b
- 1x Card reader
- 1x Headphone / microphone combo jack (3.5mm)

**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

No fingerprint reader

#### BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password

#### Other Security

IR camera for Windows Hello

## SERVICE

### Warranty

#### Base Warranty\*\*<sup>[1]</sup>

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 2-year (1-yr battery) depot service
- 3-year (1-yr battery) depot service

Notes:

1. More information of warranty policy, please access <https://pcsupport.lenovo.com/warranty>

## ENVIRONMENTAL

### Operating Environment

#### Temperature<sup>[1]</sup>

- 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: 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).

## CERTIFICATIONS

### Green Certifications

## Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

## Other Certifications

### Other Certifications

- TÜV Rheinland® Eyesafe® Display
- TÜV Rheinland Low Blue Light (Hardware Solution)

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