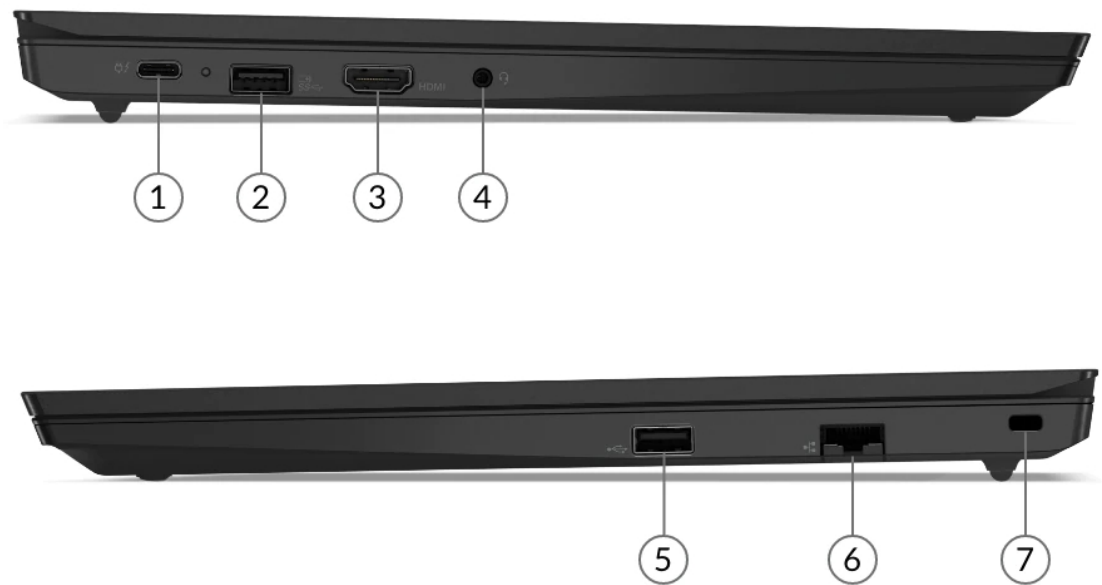


OVERVIEW



|  |                             |
|--|-----------------------------|
| 1. Thunderbolt 4                             | 5. USB 2.0                  |
| 2. USB 3.2 Gen 1 (Always On)                 | 6. Ethernet (RJ-45)         |
| 3. HDMI 1.4b                                 | 7. Kensington Security Slot |
| 4. Headphone / microphone combo jack (3.5mm) |                             |

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor\*\*

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics      |
|----------------|-------|---------|----------------|---------------|-------|----------------|-------------------------|
| Core i3-1115G4 | 2     | 4       | 3.0GHz         | 4.1GHz        | 6MB   | DDR4-3200      | Intel UHD Graphics      |
| Core i5-1135G7 | 4     | 8       | 2.4GHz         | 4.2GHz        | 8MB   | DDR4-3200      | Intel Iris® Xe Graphics |
| Core i7-1165G7 | 4     | 8       | 2.8GHz         | 4.7GHz        | 12MB  | DDR4-3200      | Intel Iris Xe Graphics  |

Operating System

Operating System\*\*

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

Graphics

Graphics\*\*[1]

| Graphics               | Type       | Memory    | Key Features |
|------------------------|------------|-----------|--------------|
| Intel UHD Graphics     | Integrated | Shared    | DirectX® 12  |
| Intel Iris Xe Graphics | Integrated | Shared    | DirectX 12   |
| NVIDIA® GeForce® MX350 | Discrete   | 2GB GDDR5 | DirectX 12   |
| NVIDIA GeForce MX450   | Discrete   | 2GB GDDR5 | DirectX 12   |

Notes:

- The integrated graphics of i5 / i7 models is Intel Iris Xe Graphics but function as Intel UHD graphics due to single channel memory limitation

Monitor Support

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 4096x2160@30Hz) or Thunderbolt™ (up to 5120x3200@60Hz)

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory[1]

Up to 32GB DDR4-3200

Memory Slots

One DDR4 SO-DIMM slot

Memory Type

DDR4-3200

Notes:

- 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

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 512GB
- M.2 2280 SSD up to 1TB

Storage Slot

Two M.2 slots

- One M.2 2242 PCIe Gen 3x4 slot, supports M.2 2242 SSD
- One M.2 2280 PCIe Gen 4x4 slot, supports M.2 2280 SSD

Storage Type\*\*\*

| Disk Type    | Interface              | RPM | Security |
|--------------|------------------------|-----|----------|
| M.2 2242 SSD | PCIe NVMe, PCIe 3.0 x4 | -   | -        |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4 | -   | -        |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4 | -   | Opal2    |

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, Dolby® Audio™, Harman Speakers

Microphone

Dual array microphone

Camera\*\*

- 720p, with privacy shutter, fixed focus
- IR & 720p hybrid, with privacy shutter, fixed focus

Battery

Battery

Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

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

MobileMark® 2014: 10.8 hr  
MobileMark 2018: 8.2 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\*\*<sup>[1]</sup>

- 65W USB-C (2-pin) AC adapter
- 65W USB-C (3-pin) AC adapter
- No power adapter

Notes:

1. No power adapter is for special bid only

DESIGN

Display

Display\*\*[2]

| Size  | Resolution      | Touch       | Type | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Key Features |
|-------|-----------------|-------------|------|------------|------------|--------------|----------------|-------------|---------------|--------------|
| 15.6" | FHD (1920x1080) | None        | TN   | 220 nits   | Anti-glare | 16:9         | 500:1          | 45% NTSC    | 90°           | -            |
| 15.6" | FHD (1920x1080) | None        | IPS  | 250 nits   | Anti-glare | 16:9         | 800:1          | 45% NTSC    | 170°          | -            |
| 15.6" | FHD (1920x1080) | None        | IPS  | 300 nits   | Anti-glare | 16:9         | 1200:1         | 100% sRGB   | 170°          | -            |
| 15.6" | FHD (1920x1080) | Multi-touch | IPS  | 300 nits   | Anti-glare | 16:9         | 800:1          | 45% NTSC    | 170°          | -            |

Touchscreen

- Capacitive-type on-cell multi-touch, supports 10-point touch
- 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>
2. Displays with 300nits brightness (multi-touch and non-touch) are NOT available in EMEA

Input Device

Keyboard

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

Keyboard Backlight

- LED backlight
- No support

UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad

Mechanical

Dimensions (WxDxH)

| Models     | Dimensions                                       |
|------------|--|
| All models | 365 x 240 x 18.9 mm (14.37 x 9.45 x 0.74 inches) |

Weight[1]

| Models     | Weight            |
|------------|-------------------|
| All models | 1.7 kg (3.75 lbs) |

Case Color\*\*

- Black
- Mineral metallic

Case Material

Aluminium (top), PC + ABS (bottom)

Notes:

1. The system weight varies depending on configurations

CONNECTIVITY

Network

Onboard Ethernet

Gigabit Ethernet, Realtek RTL8111H-CG

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

- Intel Wireless-AC 9560, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth 5.1, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 Card

**WWAN**

No support

**SIM Card**

No SIM card inbox

**NFC**

No support

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**Notes:**

1. Intel WiFi 6 full features might be limited by country level restrictions  
Bluetooth 5.2 is supported with driver version 22.30 and later

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

- 1x USB 2.0
- 1x USB 3.2 Gen 1 (Always On)
- 1x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI 1.4b
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)

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**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: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s

## SECURITY & PRIVACY

### Security

**Security Chip\*\***

- Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset

**Physical Locks**

Kensington® Security Slot

**Smart Card Reader**

No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader on power button
- No fingerprint reader

**BIOS Security**

- Supervisor password
- Power-on password
- Hard disk password
- Self-healing BIOS

**Other Security**

- Camera privacy shutter
- (Optional) IR camera for Windows Hello

## SERVICE

## Warranty

### Base Warranty\*\*

- 1-year mail-in service
- 1-year depot service
- 1-year depot with 2-year system board service
- 1-year limited onsite service
- No base warranty

## ENVIRONMENTAL

### Operating Environment

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

- 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® Integrated Earbuds
- Lenovo 15.6" laptop casual toploader T210 (grey)
- None

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- ErP Lot 3
- TCO
- RoHS compliant

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

TÜV Rheinland® Low Blue Light

- 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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