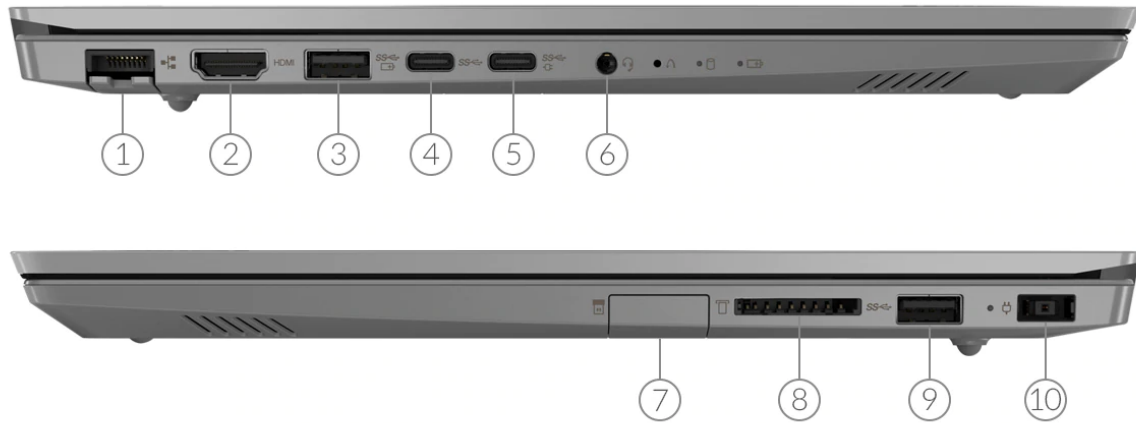


## OVERVIEW



|                              |  |
|------------------------------|--|
| 1. Ethernet (RJ-45)          | 6. Headphone / microphone combo jack (3.5mm) |
| 2. HDMI 1.4b                 | 7. USB 2.0                                   |
| 3. USB 3.1 Gen 1 (Always On) | 8. Card reader                               |
| 4. USB-C 3.1 Gen 1           | 9. USB 3.1 Gen 1                             |
| 5. USB-C 3.1 Gen 2           | 10. Power connector                          |

## PERFORMANCE

### Processor

#### Processor Family

10th Generation Intel® Core™ i3 / i5 / i7 Processor

#### Processor

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|----------------|-------|---------|----------------|---------------|-------|----------------|--------------------|
| Core i3-10110U | 2     | 4       | 2.1GHz         | 4.1GHz        | 4MB   | DDR4-2666      | Intel UHD Graphics |
| Core i5-10210U | 4     | 8       | 1.6GHz         | 4.2GHz        | 6MB   | DDR4-2666      | Intel UHD Graphics |
| Core i7-10510U | 4     | 8       | 1.8GHz         | 4.9GHz        | 8MB   | DDR4-2666      | Intel UHD Graphics |
| Core i7-10710U | 6     | 12      | 1.1GHz         | 4.7GHz        | 12MB  | DDR4-2666      | Intel UHD Graphics |

### Operating System

#### Operating System

- Windows® 10 Home 64
- Windows 10 Home in S mode
- Windows 10 Pro 64
- Windows 10 Pro in S mode
- FreeDOS

### Graphics

#### Graphics

| Graphics           | Type       | Memory    | Key Features |
|--------------------|------------|-----------|--------------|
| AMD Radeon™ 625    | Discrete   | 2GB GDDR5 | DirectX® 12  |
| Intel UHD Graphics | Integrated | Shared    | DirectX 12   |

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 3840x2160@30Hz) or USB-C (up to 3840x2160@60Hz)

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Memory Type

DDR4-2666

#### Memory Slots

One memory soldered to systemboard, one DDR4 SO-DIMM slot

#### Max Memory<sup>[1]</sup>

- Up to 36GB (4GB soldered + 32GB SO-DIMM) DDR4-2666
- Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-2666

#### 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

Up to two drives, 1x 2.5" HDD + 1x M.2 2242/2280 SSD

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

- Optional Intel Optane™ Memory integrated with SSD, M.2

### Storage Type

| Disk Type  | Interface              | RPM  | Security                        |
|--|------------------------|------|---------------------------------|
| 2.5" SATA HDD  | SATA 6Gb/s             | 7.2K | APS (Active Protection System™) |
| 2.5" SATA HDD  | SATA 6Gb/s             | 5.4K | APS (Active Protection System)  |
| M.2 2242 SSD   | PCIe NVMe, PCIe 3.0 x2 | -    | -                               |
| M.2 2280 SSD   | PCIe NVMe, PCIe 3.0 x4 | -    | -                               |
| Intel Optane Memory with Solid State Storage, M.2 2280 | PCIe NVMe, PCIe 3.0 x4 | -    | -                               |
| Intel Optane Memory M10                                | PCIe NVMe, PCIe 3.0 x2 | -    | -                               |

## 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, Dolby® Audio™

### Microphone

Dual array microphone

### Camera

720p, with ThinkShutter, fixed focus

## Battery

### Battery

- Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh battery

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

- MobileMark® 2014: 12 hr (57Wh)
- MobileMark 2014: 9 hr (45Wh)

### Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 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

- 65W USB-C slim AC adapter
- 65W slim tip AC adapter

## DESIGN

## Display

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

| Size  | Resolution      | Touch | Type | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Key Features |
|-------|-----------------|-------|------|------------|------------|--------------|----------------|-------------|---------------|--------------|
| 14.0" | FHD (1920x1080) | None  | IPS  | 250 nits   | Anti-glare | 16:9         | 800:1          | -           | -             | -            |

|       |                    |      |    |          |            |      |       |   |   |   |
|-------|--------------------|------|----|----------|------------|------|-------|---|---|---|
| 14.0" | FHD<br>(1920x1080) | None | TN | 220 nits | Anti-glare | 16:9 | 500:1 | - | - | - |
|-------|--------------------|------|----|----------|------------|------|-------|---|---|---|

**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, spill-resistant, multimedia Fn keys

**Keyboard Backlight**

- LED backlight
- Not support

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad

**Mechanical****Dimensions (WxDxH)**

326 x 230 x 17.9 mm (12.8 x 9.06 x 0.70 inches)

**Weight**

1.5 kg (3.3 lbs)

**Case Color**

Mineral grey

**Surface Treatment**

Anodizing sandblasting

**Case Material**

Aluminium (top), aluminium (bottom)

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

Gigabit Ethernet

**WLAN + Bluetooth™<sup>[1]</sup>**

- 802.11ac 1x1 Wi-Fi + Bluetooth 5.0, M.2 card
- 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card
- 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

**Notes:**

1. 802.11ax full features might be limited by country level restrictions

**Ports<sup>[1]</sup>****Standard Ports<sup>[2]</sup>**

- 1x USB-C 3.1 Gen 1
- 1x USB 2.0
- 1x USB-C 3.1 Gen 2 (support data transfer, Power Delivery and DisplayPort™)
- 1x card reader
- 1x USB 3.1 Gen 1
- 1x USB 3.1 Gen 1 (Always On)
- 1x HDMI 1.4b
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)

- 1x power connector

#### 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
2. Depending on many factors, actual data transfer speed may be lower than theoretical speed

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in chipset

#### Fingerprint Reader

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

#### BIOS Security

- Power-on password
- Supervisor password
- Hard disk password

#### Other Security

ThinkShutter camera cover

## SERVICE

### Warranty

#### Base Warranty

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

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

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

### Other Certifications

#### Mil-Spec Test

MIL-STD-810G military test passed

