

**OVERVIEW**

1. Power connector	5. Card reader
2. HDMI 1.4b	6. USB 3.2 Gen 1
3. USB-C 3.2 Gen 1	7. USB 3.2 Gen 1 (Always On)
4. Headphone / microphone combo jack (3.5mm)	

## 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

### Operating System

#### Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- FreeDOS

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12
NVIDIA® GeForce® MX250	Discrete	2GB GDDR5	DirectX 12

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI® (up to 3840x2160@30Hz)

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Memory Type

DDR4-2400

#### Memory Slots

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

#### Max Memory<sup>(1)</sup>

Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2400 offering

#### 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 1TB
- M.2 2280 SSD up to 1TB
- M.2 2242 SSD up to 128GB

#### Storage Type

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	5.4K	-

M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

## Removable Storage

### Optical

- USB external DVD burner (DVD±RW), 9.5mm high
- None

### Card Reader

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

## Multi-Media

### Audio Chip

High Definition (HD) Audio

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™

### Microphone

Dual array microphone

### Camera

720p, with privacy shutter, fixed focus

## Battery

### Battery

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 70Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

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

- MobileMark® 2014: 12 hr (52.5Wh)
- MobileMark 2014: 15 hr (70Wh)

### 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 round tip AC adapter
- 65W round tip (Wall Mount) AC adapter

## DESIGN

## Display

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	-	45% NTSC	-	-
15.6"	FHD (1920x1080)	None	IPS	300 nits	Glossy	16:9	-	72% NTSC	-	-
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	-	72% NTSC	-	-

### Touchscreen

Non-touch

## Notes:

- 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 glass surface multi-touch touchpad, supports Precision TouchPad (PTP)

## Mechanical

### Dimensions (WxDxH)

358 x 245 x 16.9 mm (14.1 x 9.65 x 0.67 inches)

### Weight

Models	Weight
Plastic models	1.8 kg (3.97 lbs)
Glass models	1.95 kg (4.29 lbs)

### Case Color

- Abyss blue
- Copper
- Mineral grey

### Surface Treatment

Anodizing sandblasting

### Case Material

- Aluminium (top), glass (display cover), aluminium (bottom)
- Aluminium (top), PC + ABS (display cover), Aluminium (bottom)

## CONNECTIVITY

### Network

#### WLAN + Bluetooth™

- 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 card
- 802.11ac 2x2 Wi-Fi + Bluetooth 4.2, M.2 card

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

#### Standard Ports<sup>[2]</sup>

- 1x USB 3.1 Gen 1
- 1x USB 3.1 Gen 1 (Always On)
- 1x USB-C 3.1 Gen 1
- 1x HDMI 1.4b
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)
- 1x power connector

## Notes:

- 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 palm rest

#### BIOS Security

- Power-on password
- Administrator password
- Hard disk password

#### Other Security

Camera privacy shutter

## SERVICE

### Warranty

#### Base Warranty

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

## 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

