

## PERFORMANCE

### Processor

#### Processor Family

10th Generation Intel® Core™ i5 / i7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i5-10300H	4	8	2.5GHz	4.5GHz	8MB	DDR4-2933	Intel UHD Graphics
Core i7-10750H	6	12	2.6GHz	5.0GHz	12MB	DDR4-2933	Intel UHD Graphics

### Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64

### Graphics

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12
NVIDIA® GeForce® GTX 1650	Discrete	4GB GDDR6	DirectX 12

### Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via HDMI® (up to 4096x2160@60Hz) or Thunderbolt™ (up to 7680x4230@60Hz)

### Chipset

Intel HM470 chipset

### Memory

#### Memory Type

DDR4-2933

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel capable

#### Max Memory

16GB soldered memory, not upgradable

#### 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

One drive, up to 1TB M.2 2280 SSD

#### Storage Type

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

### Removable Storage

#### Optical

Not Support

#### Card Reader

SD card reader

### Multi-Media

#### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x3, Dolby® Atmos®

### Microphone

Dual array microphone

### Camera

IR & 720p, with ToF sensor, fixed focus

## Sensor

### Sensors

Ambient light sensor (ALS)

## Battery

### Battery

Integrated Li-Polymer 70Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

### Max Battery Life

MobileMark® 2014: 12 hr

#### Notes:

- All battery life claims are approximate maximum and based on results using the MobileMark 2014 and/or MobileMark 2018 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

135W slim tip AC adapter

# DESIGN

## Display

### Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
15.6"	FHD (1920x1080)	None	IPS	300 nits	Glossy	16:9	-	100% sRGB	-	-
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	-	100% sRGB	-	-

#### 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>

### Touchscreen

Non-touch

## 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)**

Models	Dimensions
Bezel models	356.6 x 229.4 x 17.5 mm (14.03 x 9.03 x 0.68 inches)
Glass models	356.6 x 229.4 x 17.2 mm (14.03 x 9.03 x 0.67 inches)

**Weight**

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

**Case Color**

Slate grey

**Surface Treatment**

Anodizing Sandblasting

**Case Material**

Aluminium (top), Aluminium (bottom)

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

Not Support

**WLAN + Bluetooth™**

802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

**Ports****Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 2 / Thunderbolt 3 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI 2.0b
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)
- 1x power connector

**Notes:**

- 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
- Not configured

**BIOS Security**

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

**Other Security**

IR camera for Windows Hello

**SERVICE**

## Warranty

### Base Warranty

1-year depot service

## CERTIFICATIONS

### Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS

