

## PERFORMANCE

### Processor

#### Processor Family

7th or 8th Generation Intel® Core™ i3 / i5 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i3-7020U	2	4	2.3GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
Core i3-8130U	2	4	2.2GHz	3.4GHz	4MB	DDR4-2400	Intel UHD Graphics 620
Core i5-8250U	4	8	1.6GHz	3.4GHz	6MB	DDR4-2400	Intel UHD Graphics 620

### Operating System

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

### Graphics

Graphics	Type	Memory	Key Features
Intel HD Graphics 620	Integrated	Shared	DirectX® 12
Intel UHD Graphics 620	Integrated	Shared	DirectX 12
NVIDIA® GeForce® MX110	Discrete	2GB GDDR5	DirectX 12

### 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

Intel SoC (System on Chip) platform

### Memory

#### Memory Type

DDR4-2133

#### Memory Slots

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

#### Max Memory

Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2133 offering

#### 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 2 drives, 1x 2.5" HDD + 1x M.2 2242/2280 SSD

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

#### 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

None

### Card Reader

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

## Multi-Media

### Audio Chip

High Definition (HD) Audio

### Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

### Microphone

Single microphone

### Camera

0.3-megapixel, fixed focus

## Battery

### Battery

- Integrated Li-Polymer 30Wh battery
- Integrated Li-Polymer 35Wh battery

### Max Battery Life

- MobileMark® 2014: 5.5 hr (30Wh)
- MobileMark 2014: 6 hr (35Wh)

#### Notes:

- 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

- 45W round tip (Wall Mount) AC adapter
- 65W round tip (Wall Mount) AC adapter

## DESIGN

## Display

### Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
14.0"	FHD (1920x1080)	None	TN	220 nits	Anti-glare	16:9	-	-	-	-
14.0"	HD (1366x768)	None	TN	220 nits	Anti-glare	16:9	-	-	-	-

#### 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

**Keyboard Backlight**

Not support

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad

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

327.1 x 241 x 19.9 mm (12.88 x 9.49 x 0.78 inches)

**Weight**

1.6 kg (3.53 lbs)

**Case Color**

- Granite black
- Platinum grey

**Surface Treatment**

- IMR
- Texture

**Case Material**

PC + ABS (top), PC + ABS (bottom)

**CONNECTIVITY****Network****WLAN + Bluetooth™**

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

**Ports****Standard Ports**

- 1x USB 2.0
- 2x USB 3.1 Gen 1
- 1x HDMI 1.4b
- 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**

No fingerprint reader

**BIOS Security**

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

**SERVICE****Warranty****Base Warranty**

- 1-year depot service
- 2-year (1-yr battery) depot service

## CERTIFICATIONS

### Green Certifications

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

