

## OVERVIEW



1. Optical drive	6. USB 3.1 Gen 1
2. Kensington Security Slot	7. USB 3.1 Gen 1
3. Power connector	8. Headphone / microphone combo jack (3.5mm)
4. Ethernet (RJ-45)	9. USB-C 3.1 Gen 1 (data transfer only)
5. HDMI 1.4b	

## Notes:

- Ports with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Athlon™ or AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Athlon 300U	2	4	2.4GHz	3.3GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon™ Vega 3 Graphics
AMD Ryzen 3 3200U	2	4	2.6GHz	3.5GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Vega 3 Graphics
AMD Ryzen 5 3500U	4	8	2.1GHz	3.7GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon Vega 8 Graphics
AMD Ryzen 7 3700U	4	8	2.3GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon RX Vega 10 Graphics

### Operating System

#### Operating System

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

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
AMD Radeon RX Vega 10 Graphics	Integrated	Shared	DirectX® 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	DirectX 12
AMD Radeon Vega 3 Graphics	Integrated	Shared	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

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[2]</sup>

- Up to 8GB (4GB soldered + 4GB SO-DIMM) DDR4-2400 offering
- Up to 16GB (16GB SO-DIMM) DDR4-2400 offering
- Up to 8GB (8GB SO-DIMM) DDR4-2400 offering
- Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2400 offering

#### Memory Slots

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

#### Memory Type

DDR4-2400

#### 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.

2. AMD R5 or R7 model: Up to 16GB (16GB SO-DIMM) DDR4-2400 offering

## Storage

### Storage Support

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

- 2.5" HDD up to 2TB
- 2.5" SSD up to 256GB
- 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	-
2.5" SATA SSD	SATA 6Gb/s	-	-
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

## Removable Storage

### Optical

- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio

### Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

### Microphone

Single microphone

### Camera

- 0.3-megapixel, with privacy shutter, fixed focus
- 720p, with privacy shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 36Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Max Battery Life<sup>1)</sup>

MobileMark® 2014: 8.5 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

65W round tip (2-pin, 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"	HD (1366x768)	None	TN	220 nits	Anti-glare	16:9	-	-	-	-
15.6"	HD (1366x768)	Multi-touch	TN	220 nits	Anti-glare	16:9	-	-	-	-
15.6"	FHD (1920x1080)	None	TN	220 nits	Anti-glare	16:9	-	-	-	-

## Touchscreen

- Capacitive-type 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>

## Input Device

### Keyboard

6-row, multimedia Fn keys, numeric keypad

### Keyboard Backlight

No support

### Touchpad

Buttonless Mylar® surface multi-touch touchpad

## Mechanical

### Dimensions (WxDxH)

Models	Dimensions
All models	363 x 254.6 x 22.9 mm (14.29 x 10.02 x 0.9 inches)

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

Models	Weight
All models	2.2 kg (4.8 lbs)

### Case Color

- Abyss blue
- Blizzard white
- Dark orchid
- Granite black
- Platinum grey

### Surface Treatment

IMR (in-mold decoration by roller)

### Case Material

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

## Notes:

1. The system weight varies depending on configurations

## CONNECTIVITY

### Network

#### Onboard Ethernet

Gigabit Ethernet

**WLAN + Bluetooth®**

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

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

- 2x USB 3.1 Gen 1
- 1x USB-C 3.1 Gen 1 (support data transfer only)
- 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

## SECURITY & PRIVACY

### Security

**Security Chip**

Firmware TPM 2.0 integrated in chipset

**Physical Locks**

Kensington® Security Slot

**Fingerprint Reader**

No fingerprint reader

**BIOS Security**

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

**Other Security**

Camera privacy shutter

## SERVICE

### Warranty

**Base Warranty**

- 1-year mail-in service
- 1-year depot 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



AMD



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