

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 (native display and 1 external monitor via HDMI®)

- HDMI supports up to 3840x2160@30Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory^{[1][2]}

- Up to 8GB (4GB soldered + 4GB 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
- Up to 16GB (16GB 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^[1]

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 SSD | SATA 6Gb/s | - | - |
| 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 | - | - |

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

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
- HD 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^[1]

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^[1]

65W round tip (2-pin, wall-mount) AC adapter, 100-240V, 50-60Hz

Notes:

1. AC adapter offerings depend on the country.

DESIGN

Display

Display**^[1]

| 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" | FHD (1920x1080) | None | TN | 220 nits | Anti-glare | 16:9 | - | - | - | - |
| 15.6" | HD (1366x768) | Multi-touch | 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

Non-backlight

Touchpad

Buttonless Mylar® surface multi-touch touchpad, 69 x 104 mm (2.72 x 4.09 inches)

Mechanical^[1]

Dimensions (WxDxH)

363 x 254.6 x 22.9 mm (14.29 x 10.02 x 0.9 inches)

Weight

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 dimensions and weight vary depending on configurations.

CONNECTIVITY

Network

Onboard Ethernet

Gigabit Ethernet

WLAN + Bluetooth^[1]

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

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

Ports^[1]

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™ 3/4: 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

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

Other Security

Camera privacy shutter

SERVICE

Warranty

Base Warranty^{**[1]}

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

Notes:

1. More information of warranty policy, please access <https://pcsupport.lenovo.com/warranty>

ENVIRONMENTAL

Operating Environment

Temperature^[1]

- 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

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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