# PERFORMANCE

## Processor

**Processor Family**

11th Generation Intel® Core™ i3 / i5 / i7 Processor

**Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|---|---|---|---|---|---|---|---|
| Core i3-1115G4 | 2 | 4 | 3.0GHz | 4.1GHz | 6MB | DDR4-3200 | Intel UHD Graphics |
| Core i5-1135G7 | 4 | 8 | 2.4GHz | 4.2GHz | 8MB | DDR4-3200 | Intel Iris® Xe Graphics |
| Core i7-1165G7 | 4 | 8 | 2.8GHz | 4.7GHz | 12MB | DDR4-3200 | Intel Iris Xe Graphics |

## Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- No operating system

## Graphics

| Graphics | Type | Memory | Key Features |
|---|---|---|---|
| Intel UHD Graphics | Integrated | Shared | DirectX® 12 |
| Intel Iris Xe Graphics | Integrated | Shared | DirectX 12 |
| NVIDIA® GeForce® MX350 | Discrete | 2GB GDDR5 | DirectX 12 |

Notes:

- Intel Iris Xe Graphics capability requires system to be configured with Intel Core i5 or i7 processor and dual channel memory. On the system with Intel Core i5 or i7 processor and single channel memory, Intel Iris Xe Graphics will function as Intel UHD graphics

## 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**

DDR4-3200

**Memory Slots**

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

**Max Memory**

- Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-3200 offering
- Up to 16GB (8GB soldered + 8GB SO-DIMM) DDR4-3200 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 two drives, 1x 2.5″ HDD + 1x M.2 2242 SSD
• 2.5″ HDD up to 1TB
• M.2 2242 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 2242 SSD | PCIe NVMe, PCIe 3.0 x4 | - | - |

## Removable Storage

**Optical**

None

**Card Reader**

No card reader

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 1.5W x2, Dolby® Audio™

**Microphone**

Dual array microphone

**Camera**

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

## Battery

**Battery**

- Integrated Li-Polymer 38Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Max Battery Life**

- MobileMark® 2018: 5.5 hr (38Wh)
- MobileMark 2018: 8 hr (45Wh)

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

- 65W round tip 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 |
|------|-----------|-------|------|-----------|---------|--------------|----------------|-------------|---------------|--------------|
| 15.6″ | FHD (1920x1080) | None | TN | 250 nits | Anti-glare | 16:9 | 500:1 | 45% NTSC | 90° | - |
| 15.6″ | FHD (1920x1080) | None | IPS | 300 nits | Anti-glare | 16:9 | 800:1 | 45% NTSC | 170° | - |

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, spill-resistant, multimedia Fn keys, numeric keypad

**Keyboard Backlight**

Not support

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

## Mechanical

**Dimensions (WxDxH)**

359.2 x 235.8 x 19.9 mm (14.14 x 9.28 x 0.78 inches)

**Weight**

1.7 kg (3.75 lbs)

**Case Color**

- Black
- Iron grey

**Surface Treatment**

- IMR
- Texture

**Case Material**

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

# CONNECTIVITY

## Network

**Onboard Ethernet**

Gigabit Ethernet, Realtek RTL8111H

**WLAN + Bluetooth™**

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

## Ports

**Standard Ports**

- 1x USB-C 3.2 Gen 1 (support data transfer only)
- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x HDMI 1.4b
- 1x Ethernet (RJ-45)
- 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

**Physical Locks**

Kensington® Nano 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-year depot service
- 2-year (1-yr battery) depot service

# CERTIFICATIONS

## Green Certifications

- ErP Lot 3
- RoHS compliant

## Other Certifications

TÜV Rheinland Low Blue Light certified

intel



intel



intel



intel



intel



intel