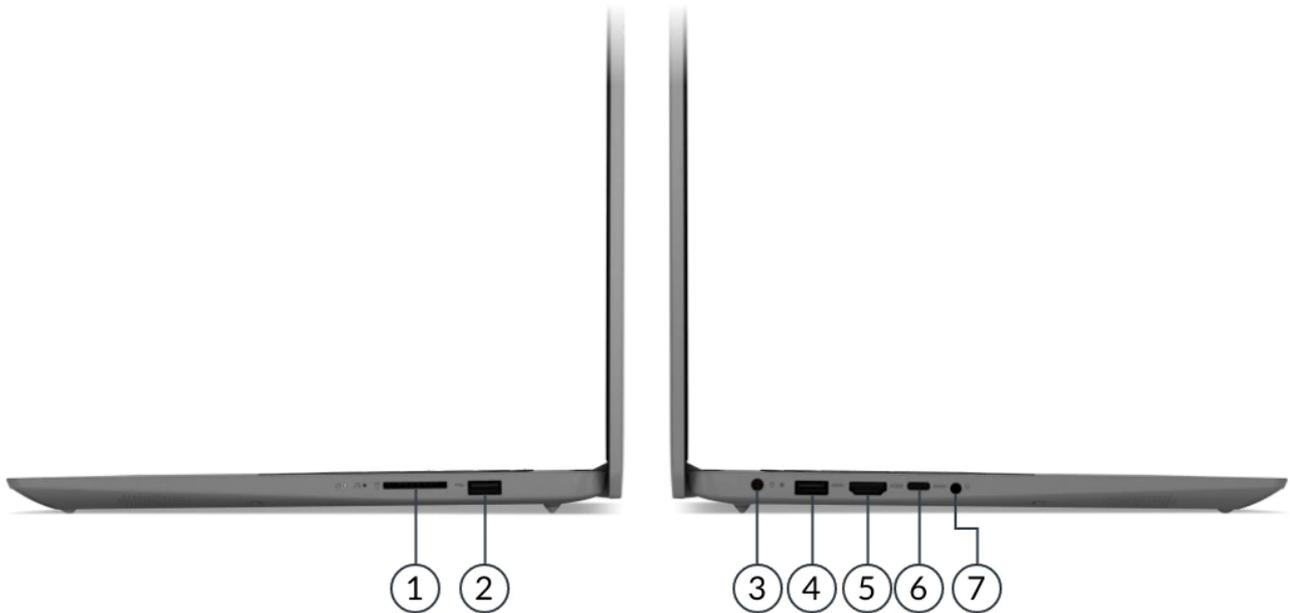


OVERVIEW



| | |
|--------------------|--|
| 1. Card reader | 5. HDMI 1.4b |
| 2. USB 2.0 | 6. USB-C 3.2 Gen 1 (data transfer only) |
| 3. Power connector | 7. Headphone / microphone combo jack (3.5mm) |
| 4. USB 3.2 Gen 1 | |

PERFORMANCE

Processor

Processor Family

AMD 3000, AMD Athlon™, or AMD Ryzen™ 3 / 5 / 7 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|-------------------------|-------|---------|----------------|---------------|-----------------|----------------|--------------------------------|
| AMD 3020e | 2 | 2 | 1.2GHz | 2.6GHz | 1MB L2 / 4MB L3 | DDR4-2400 | AMD Radeon™ Graphics |
| AMD Athlon Silver 3050U | 2 | 2 | 2.3GHz | 3.2GHz | 1MB L2 / 4MB L3 | DDR4-2400 | AMD Radeon Graphics |
| AMD Athlon Gold 3150U | 2 | 4 | 2.4GHz | 3.3GHz | 1MB L2 / 4MB L3 | DDR4-2400 | AMD Radeon Graphics |
| AMD Ryzen 3 3250U | 2 | 4 | 2.6GHz | 3.5GHz | 1MB L2 / 4MB L3 | DDR4-2400 | AMD Radeon 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® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home in S mode
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home in S mode
- No operating system

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 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 4K@30Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory^[1]

- Up to 8GB (8GB SO-DIMM) DDR4-2400 offering (AMD 3020e models)
- Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2400 offering (Athlon or Ryzen models)
- Up to 16GB (8GB soldered + 8GB SO-DIMM) DDR4-2400 offering (Athlon or Ryzen models)

Memory Slots**

- One DDR4 SO-DIMM slot (AMD 3020e models)
- One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable (Athlon or Ryzen models)

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.

Storage

Storage Support^[1]

- Model with 38Wh battery: up to two drives, 1x 2.5" HDD + 1x M.2 SSD
 - 2.5" HDD up to 1TB
 - M.2 2242 SSD up to 512GB
 - M.2 2280 SSD up to 1TB
- Model with 45Wh battery: one drive, 1x M.2 SSD
 - M.2 2242 SSD up to 512GB
 - M.2 2280 SSD up to 1TB

Storage Slot

- Model with 38Wh battery: one 2.5" drive slot + one M.2 slot
 - One 2.5" drive slot, supports 2.5" SATA HDD
 - One M.2 2280 PCIe® Gen 3x4 slot, supports M.2 2242/2280 SSD
- Model with 45Wh battery: one M.2 slot
 - One M.2 2280 PCIe Gen 3x4 slot, supports M.2 2242/2280 SSD

Storage Type^{***}

| Disk Type | Interface | RPM | Offering |
|---------------|-------------------------|------|-----------------------|
| 2.5" SATA HDD | SATA 6Gb/s | 5.4K | 500GB / 1TB |
| M.2 2242 SSD | PCIe NVMe®, PCIe 3.0 x4 | - | 128GB / 256GB / 512GB |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4 | - | 512GB / 1TB |

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

None

Card Reader

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

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

Microphone

Dual array microphone

Camera

HD 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^[1]

- Model with 38Wh battery:
MobileMark® 2018: 6 hr
Local video (1080p) playback@150nits: 8.5 hr
- Model with 45Wh battery:
MobileMark 2018: 7 hr
Local video (1080p) playback@150nits: 10 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 | Color Gamut |
|-------|-----------------|-------|------|------------|------------|--------------|-------------|
| 15.6" | FHD (1920x1080) | None | TN | 250 nits | Anti-glare | 16:9 | 45% NTSC |
| 15.6" | FHD (1920x1080) | None | IPS | 300 nits | Anti-glare | 16:9 | 45% NTSC |

Touchscreen

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

- LED backlight
- Non-backlight

Touchpad

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

Mechanical^[1]**Dimensions (WxDxH)**

359.2 x 236.5 x 19.9 mm (14.14 x 9.31 x 0.78 inches)

Weight

1.65 kg (3.64 lbs)

Case Color^{}**

- Abyss blue
- Arctic grey
- Sand

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

No Ethernet

WLAN + Bluetooth^[1]

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

Notes:

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

Ports^[1]

Standard Ports

- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1 (support data transfer only)
- 1x HDMI 1.4b
- 1x Card reader
- 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

Fingerprint Reader

- Touch style fingerprint reader on power button
- No fingerprint reader

BIOS Security

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

Other Security

Camera privacy shutter

SERVICE

Warranty

Base Warranty

**^[1]

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 2-year (1-yr battery) depot service
- 3-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

- 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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