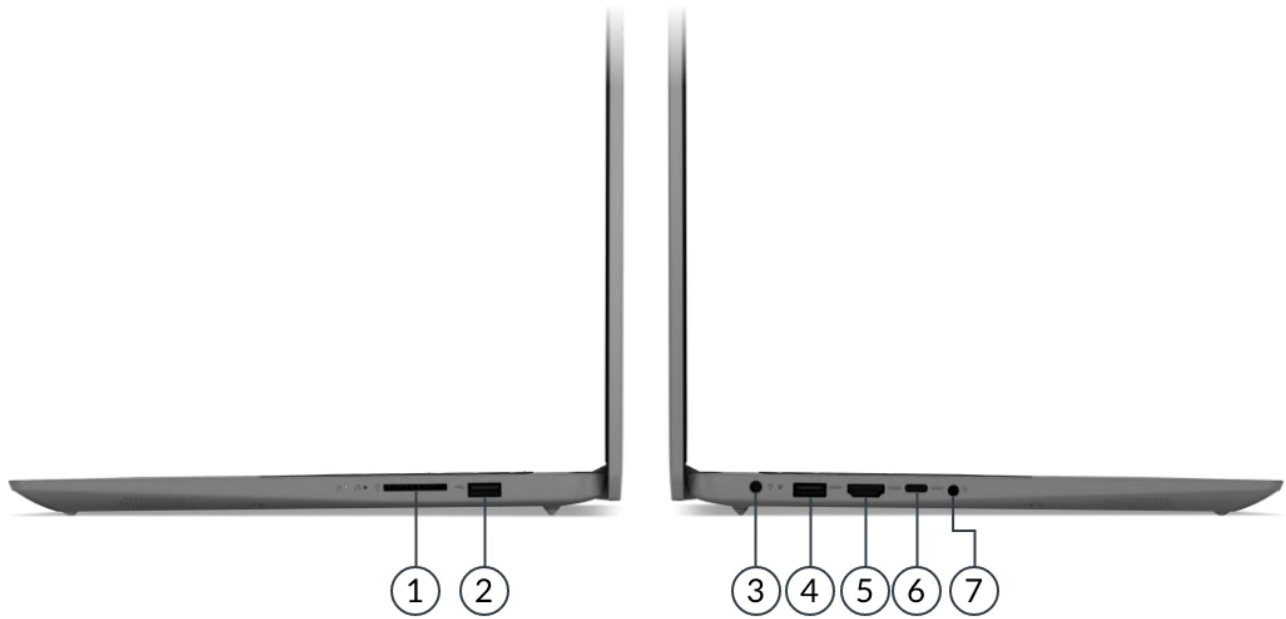


## OVERVIEW



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™ Gold 3150U	2	4	2.4GHz	3.3GHz	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 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

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 Home Single Language in S mode
- Windows® 11 Home in S mode
- Windows® 10 Pro 64
- Windows® 10 Home 64
- Windows® 10 Home 64 Single Language
- Windows® 10 Home Single Language in S mode
- Windows® 10 Home in S mode
- No operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ Graphics	Integrated	Shared	DirectX® 12
AMD Radeon™ Vega 8 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\*\*

- 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)

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

Notes:

[1] Installed memory is actually DDR4-3200 but run as DDR4-2400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

- 64GB eMMC 5.1 on systemboard
- Non-eMMC models 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 512GB
- Non-eMMC models with 45Wh battery: one drive, 1x M.2 SSD
  - M.2 2242 SSD up to 512GB
  - M.2 2280 SSD up to 512GB

### Storage Slot

- eMMC on systemboard, no slots (eMMC models)
- Non-eMMC models with 38Wh battery: one 2.5" drive slot + one M.2 slot
  - One 2.5" SATA HDD slot
  - One M.2 2280 PCIe<sup>®</sup> 3.0 x4 slot
- Non-eMMC models with 45Wh battery: one M.2 slot
  - One M.2 2280 PCIe<sup>®</sup> 3.0 x4 slot

### Storage Type<sup>\*\*\*</sup>

Disk Type	Interface	RPM	Offering
2.5" SATA HDD	SATA 6Gb/s	5.4K	500GB / 1TB
M.2 2280 SSD	PCIe <sup>®</sup> NVMe <sup>®</sup> , PCIe <sup>®</sup> 3.0 x4	-	512GB
Flash Memory	eMMC 5.1	-	64GB
M.2 2242 SSD	PCIe <sup>®</sup> NVMe <sup>®</sup> , PCIe <sup>®</sup> 3.0 x4	-	128GB / 256GB / 512GB

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo<sup>®</sup> storage offerings.

## Removable Storage

### Optical

- USB external DVD burner (DVD±RW), 9.5mm high
- None

### Card Reader

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

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek<sup>®</sup> ALC3287 codec

### Speakers

Stereo speakers, 1.5W x2, Dolby Audio™

### Microphone

Dual-microphone array

### Camera

HD 720p, with privacy shutter, fixed focus

## Battery

### Battery<sup>\*\*</sup>

- 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\*\*<sup>[1]</sup>

- Models with 38Wh battery:  
MobileMark® 2018: 6 hr  
Local video (1080p) playback@150nits: 8.5 hr
- Models with 45Wh battery:  
MobileMark® 2018: 7 hr  
Local video (1080p) playback@150nits: 10 hr

Notes:

<sup>[1]</sup> All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, 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 depending 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<sup>[1]</sup>

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

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Color Gamut
14"	FHD (1920x1080)	None	TN	250nits	Anti-glare	16:9	45% NTSC
14"	FHD (1920x1080)	None	IPS	300nits	Anti-glare	16:9	45% NTSC

#### Touchscreen

Non-touch

### Input Device

#### Keyboard

6-row, multimedia Fn keys

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 62 x 104 mm (2.44 x 4.09 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

324.2 x 215.7 x 19.9 mm (12.76 x 8.49 x 0.78 inches)

#### Weight<sup>[2]</sup>

Starting at 1.41 kg (3.1 lbs)

#### Case Color\*\*

- Abyss blue
- Arctic grey
- Sand

#### Surface Treatment

IMR (in-mold decoration by roller)

#### Case Material

PC-ABS (top), PC-ABS (bottom)

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**Notes:**

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

## CONNECTIVITY

### Network

#### Ethernet

No onboard Ethernet

#### WLAN + Bluetooth<sup>[1]</sup>

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

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**Notes:**

[1] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

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

#### 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 Headphone / microphone combo jack (3.5mm)
- 1x Card reader
- 1x Power connector

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**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;

USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4® 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

#### BIOS Security<sup>\*\*\*</sup>

- Administrator password
- Power-on password
- Hard disk password (non-eMMC models only)

#### Other Security

Camera privacy shutter

## SERVICE

## Warranty

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 2-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1][2]</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)

#### Relative 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], [2] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ErP Lot 3
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are dependent on system OS. Please visit [epeat.net](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

- 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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