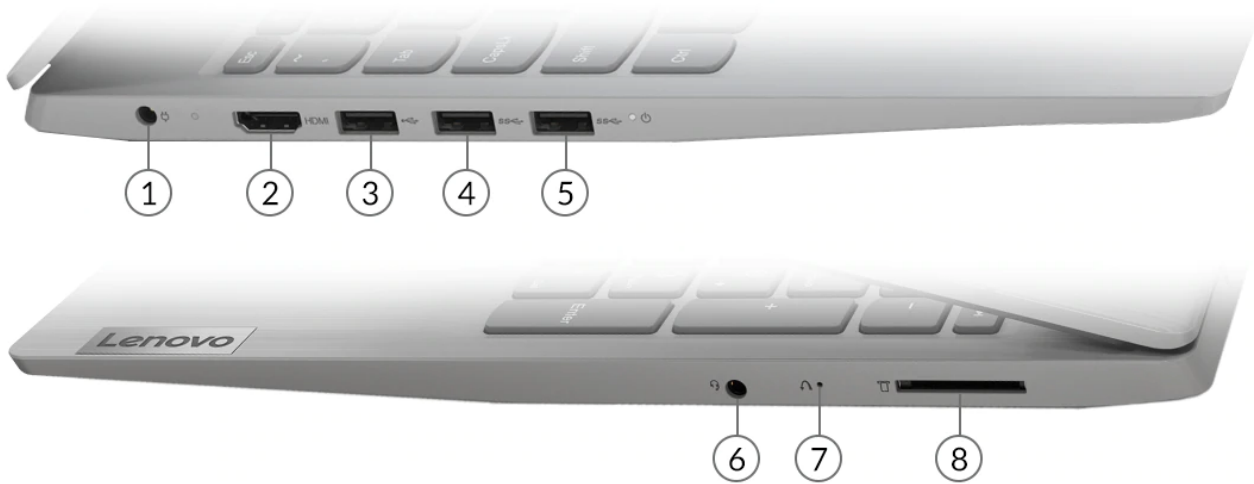


**OVERVIEW**

1. Power connector	5. USB 3.2 Gen 1
2. HDMI 1.4b	6. Headphone / microphone combo jack (3.5mm)
3. USB 2.0	7. NOVO button hole
4. USB 3.2 Gen 1	8. Card reader

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron®, Intel Pentium®, or 10th Generation Intel Core™ i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron 5205U	2	2	1.9GHz	-	2MB	DDR4-2400	Intel UHD Graphics
Pentium Gold 6405U	2	4	2.4GHz	-	2MB	DDR4-2400	Intel UHD Graphics
Core i3-10110U	2	4	2.1GHz	4.1GHz	4MB	DDR4-2666	Intel UHD Graphics
Core i5-10210U	4	8	1.6GHz	4.2GHz	6MB	DDR4-2666	Intel UHD Graphics
Core i7-10510U	4	8	1.8GHz	4.9GHz	8MB	DDR4-2666	Intel UHD 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
- FreeDOS
- No operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12
NVIDIA® GeForce® MX130	Discrete	2GB GDDR5	DirectX 12
NVIDIA GeForce MX330	Discrete	2GB GDDR5	DirectX 12

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays (native display and 1 external monitor via HDMI®)

- HDMI supports up to 4096x2160@30Hz

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

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

- Up to 8GB (4GB soldered + 4GB SO-DIMM) DDR4-2400 offering (Intel Celeron or Pentium Gold models)
- Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2666 offering (Intel Core models)

#### Memory Slots

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

#### Memory Type\*\*

- Intel Celeron or Pentium Gold model: DDR4-2400
- Intel Core model: DDR4-2666

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

- Model with 35Wh 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
  - Optional Intel Optane™ Memory integrated with SSD, M.2
- Model with 45Wh battery: one drive, 1x M.2 SSD
  - M.2 2242 SSD up to 512GB
  - M.2 2280 SSD up to 1TB
  - Optional Intel Optane Memory integrated with SSD, M.2

### Storage Slot

- Model with 35Wh 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<sup>\*\*\*</sup>

Disk Type	Interface	RPM
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	-
Intel Optane Memory with Solid State Storage, M.2 2280	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

- 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

### Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

### Microphone

Dual array microphone

### Camera<sup>\*\*[1]</sup>

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

#### Notes:

1. HD720p camera for AP and NA only.

## Battery

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

- Integrated Li-Polymer 35Wh battery
- Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Max Battery Life<sup>[1]</sup>

- MobileMark® 2014: 11.5 hr (45Wh)
- MobileMark 2014: 9 hr (35Wh)

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

- 45W round tip (2-pin, wall-mount) AC adapter, 100-240V, 50-60Hz
- 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\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio
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"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9
15.6"	HD (1366x768)	Multi-touch	TN	220 nits	Anti-glare	16:9
15.6"	FHD (1920x1080)	Multi-touch	IPS	300 nits	Anti-glare	16:9

### Touchscreen

- On-cell 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, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

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

### Dimensions (WxDxH)

362.2 x 253.4 x 19.9 mm (14.26 x 9.98 x 0.78 inches)

### Weight

1.7 kg (3.75 lbs)

### Case Color\*\*

- Abyss blue
- Almond
- Business black
- Cherry red

- Platinum grey

**Surface Treatment\*\***

- IMR (in-mold decoration by roller)
- Texture

**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®\*\*<sup>[1]</sup>**

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

**Notes:**

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

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

**Standard Ports**

- 1x USB 2.0
- 2x USB 3.2 Gen 1
- 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\*\*<sup>[1]</sup>

- 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<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

- (Optional) 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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