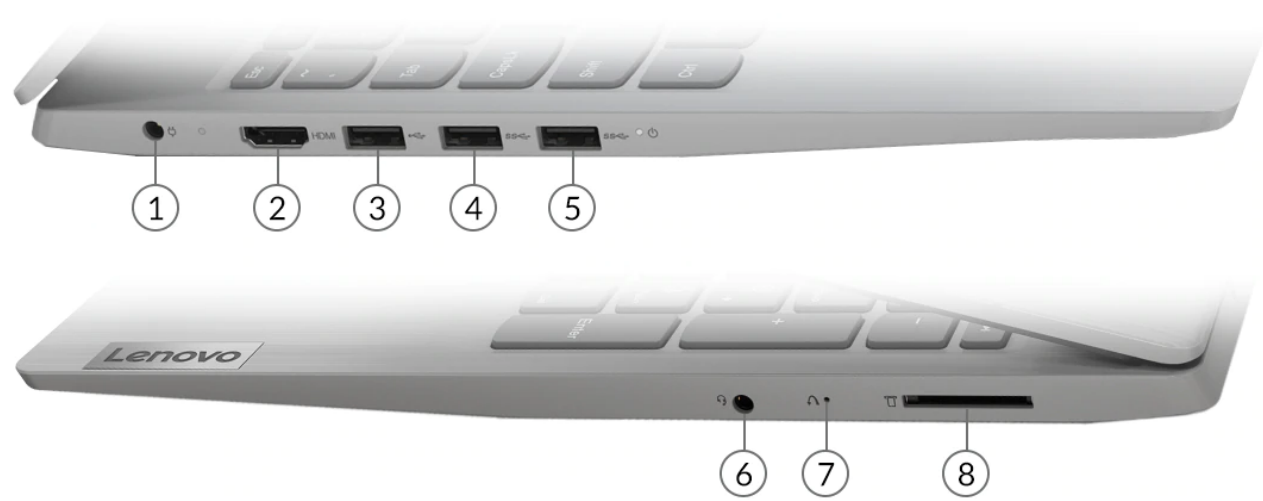


OVERVIEW



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
Pentium Gold 6405U	2	4	2.4GHz	-	2MB	DDR4-2400	Intel UHD Graphics
Celeron 5205U	2	2	1.9GHz	-	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\*\*

- FreeDOS
- Windows® 10 Home 64
- Windows 10 Home 64 Single Language
- Windows 10 Home Single Language in S mode
- Windows 10 Home in S mode
- Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Home Single Language in S mode
- Windows 11 Home in S mode
- Windows 11 Pro
- 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\*\*

- 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 models: DDR4-2400
- Intel Core models: DDR4-2666

Storage

Storage Support\*\*<sup>[1]</sup>

- Models 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
- Models 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\*\*

- Models with 45Wh battery: one M.2 slot
  - One M.2 2280 PCIe® 3.0 x4 slot
- Models with 35Wh battery: one 2.5" drive slot + one M.2 slot
  - One 2.5" SATA HDD slot
  - One M.2 2280 PCIe 3.0 x4 slot

Storage Type\*\*\*

Disk Type	Interface	RPM
2.5" SATA HDD	SATA 6Gb/s	5.4K
M.2 2242 SSD	PCIe NVMe®, PCIe 3.0 x2	-
Intel Optane Memory with Solid State Storage, M.2 2280	PCIe NVMe, PCIe 3.0 x4	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-

Notes:

<sup>[1]</sup> 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-microphone array

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

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

Notes:

<sup>[1]</sup> HD720p camera for AP and NA only.

Battery

Battery\*\*

- 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, 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\*\*[1]

- 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\*\*[1]

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

Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1] California Electronic Waste Recycling Fee  
In California USA, 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, please 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

Dimensions (WxDxH)[1]

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

Weight[2]

Around 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)

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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®\*\*[1]**

- 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

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**Notes:**

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

### 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

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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**

- Administrator password

- Power-on password
- Hard disk password

**Other Security**

Camera privacy shutter

## SERVICE

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

**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

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details 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<sup>[1]</sup>

**Green Certifications**

- (Optional) ENERGY STAR® 8.0
- 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.

- 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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