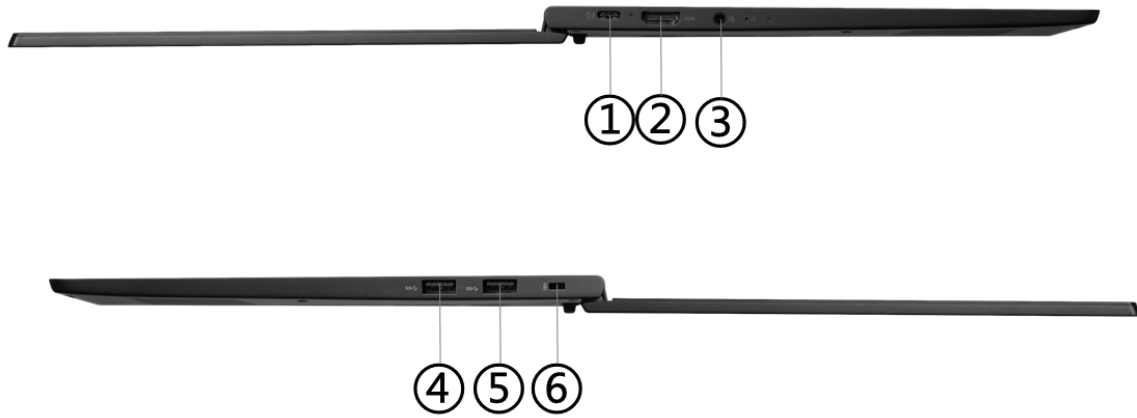


## OVERVIEW



1. Thunderbolt 4	4. USB 3.2 Gen 1
2. HDMI	5. USB 3.2 Gen 1 (Always On)
3. Headphone / microphone combo jack (3.5mm)	6. Kensington Nano Security Slot

## PERFORMANCE

### Processor

#### Processor Family

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

#### Processor\*\*

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

### Operating System

#### Operating System\*\*

- Windows® 10 Government Edition 64
- Windows 10 Home 64 Single Language
- Windows 10 Pro 64
- Windows 11 Home Single Language
- Windows 11 Pro

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel Iris Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX 12.1

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI®, and Thunderbolt™)

- HDMI supports up to 3840x2304@60Hz
- Thunderbolt supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type\*\*

- LPDDR4x-3733
- LPDDR4x-4266

### Storage

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

One drive, up to 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

#### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

#### Storage Type\*\*

Disk Type	Interface	Offering
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M.2 2242 SSD	PCIe NVMe®, PCIe 3.0 x4	256GB / 512GB
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	1TB
M.2 2280 SSD	PCIe NVMe, PCIe 4.0 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**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3306-CG codec

**Speakers**

Stereo speakers, 2W x2, Dolby® Audio™, audio by HARMAN

**Microphone**

Dual-microphone array

**Camera**

HD 720p, with privacy shutter, fixed focus

**Battery****Battery**

Integrated Li-Polymer 56Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

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

MobileMark® 2014: 16 hr

MobileMark 2018: 12.1 hr

**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\*\***

- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

**DESIGN****Display****Display\*\*<sup>[1][2]</sup>**

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS	300 nits	Anti-glare	16:10	1000:1	100% sRGB	85°/85°/-/-	TÜV Low Blue Light, Dolby Vision™
13.3"	WQXGA	Multi-	IPS	300 nits	Glossy	16:10	1500:1	100%	85°/85°/-/-	Low power, TÜV

	(2560x1600)	touch					sRGB		Low Blue Light, Dolby Vision
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**Touchscreen**

- Capacitive-type 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>.

[2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Keyboard**

6-row, spill-resistant, multimedia Fn keys, SMB Service Hot key

**Keyboard Backlight**

LED backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 63 x 105 mm (2.48 x 4.13 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

299 x 210 x 14.9 mm (11.77 x 8.27 x 0.59 inches)

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

Starting at 1.26 kg (2.78 lbs)

**Case Color**

Onyx black

**Surface Treatment**

Anodizing sandblasting

**Case Material**

Aluminium (top), aluminium (bottom)

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

No onboard Ethernet

**WLAN + Bluetooth<sup>[2]</sup>**

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1

## Notes:

[1] Ethernet support via optional Lenovo USB-C to Ethernet Adapter.

[2] 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 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)

- 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

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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

- Discrete TPM 2.0, TCG certified
- No security chip

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Fingerprint Reader

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

#### BIOS Security

- Power-on password
- Supervisor password
- Hard disk password
- Self-healing BIOS

#### Other Security

Camera privacy shutter

## SERVICE

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

#### Base Warranty

1-year carry-in service

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**Notes:**

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. To learn more details of warranty policy, please access <https://newsupport.lenovo.com.cn>.

## ENVIRONMENTAL

### Operating Environment

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

- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)
- 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)

#### 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**

- CCC
- (Optional) CECP
- CEL
- EMC Class-B
- (Optional) ENERGY STAR® 8.0
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

TÜV Rheinland® Low Blue Light

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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