

OVERVIEW



1. Optical drive	6. Power connector
2. Power button	7. Ethernet (RJ-45)
3. USB 3.1 Gen 2	8. HDMI 1.4 out
4. Card reader	9. 2x USB 2.0
5. Headphone / microphone combo jack (3.5mm)	10. USB 3.1 Gen 2

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron®, Intel Pentium®, 8th Generation Intel Core™ i3 / i5, or 10th Generation Intel Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron 4205U	2	2	1.8GHz	-	2MB	DDR4-2133	Intel UHD Graphics
Pentium Gold 5405U	2	4	2.3GHz	-	2MB	DDR4-2133	Intel UHD Graphics
Core i3-8145U	2	4	2.1GHz	3.9GHz	4MB	DDR4-2400	Intel UHD Graphics
Core i3-10110U	2	4	2.1GHz	4.1GHz	4MB	DDR4-2666	Intel UHD Graphics
Core i5-8265U	4	8	1.6GHz	3.9GHz	6MB	DDR4-2400	Intel UHD Graphics
Core i5-10210U	4	8	1.6GHz	4.2GHz	6MB	DDR4-2666	Intel UHD Graphics

### Operating System

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

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

#### Notes:

1. 1 :Some features may not be supported on the system with Linux preload, including but not limited to Intel RST RAID, Human Presence Detection, etc.

### Graphics

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

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Intel UHD Graphics	Integrated	Shared	1x HDMI® 1.4	1920x1080@60Hz(HDMI)	DirectX® 12
AMD Radeon™ 530	Discrete	2GB GDDR5	1x HDMI 1.4	1920x1080@60Hz(HDMI)	DirectX 12

#### Notes:

1. 1 :The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI

### Chipset

#### Chipset

Intel SoC (System on Chip) platform

### Memory

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

Up to 16GB DDR4-2400

#### Memory Slots

One DDR4 SO-DIMM slot

#### Memory Type<sup>[2]</sup>

DDR4-2666

#### Memory Protection

Non-ECC

Notes:

1. 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.
2. 2 :Installed memory is actually 2666MHz, but may run at 2133MHz or 2400MHz or 2666MHz depending on the memory support capability of processor

Storage

Storage Support<sup>[1][2]</sup>

Up to two drives, 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 SSD up to 512GB
- Optional Intel Optane™ Memory integrated with SSD, M.2

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

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

RAID

No support

Notes:

1. 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.
2. 2 :2.5" HDD bracket kit only comes with pre-configured HDD models

Removable Storage

Optical

None

Card Reader

3-in-1 card reader (SD, SDHC, SDXC)

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 3W x2

Microphone

- Single microphone
- No microphone

Camera

- HD 720p, fixed focus
- No camera

Power Supply

Power Supply<sup>\*\*</sup>

Power	Type	Efficiency	Key Features
65W	Adapter	-	-
90W	Adapter	-	-

DESIGN

Display

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
23.8"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	1000:1	-	horizontal: +/- 89°, vertical: +/- 89°	Borderless design, anti-glare
23.8"	FHD (1920x1080)	Multi-touch	IPS	250 nits	Anti-glare	16:9	1000:1	-	horizontal: +/- 89°, vertical: +/- 89°	Borderless design, anti-glare

Touchscreen

- Advanced In-cell Touch (AIT), supports 10-point touch
- Non-touch

Notes:

1. 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\*\*

- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Keyboard (USB connector), white
- Lenovo Calliope Wireless Keyboard, black
- Lenovo Calliope Wireless Keyboard, silver
- Lenovo Calliope Wireless Keyboard, white
- No keyboard

Mouse\*\*

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Mouse (USB connector), white
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), silver
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), white

Mechanical

Buttons

- Power button
- Optical drive eject button (ODD models only)
- Camera cover slider

Form Factor

AIO (23.8 inches)

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

541.04 x 185 x 447.36 mm (21.3 x 7.28 x 17.61 inches)

Weight<sup>[2]</sup>

Models	Weight
Models with stand	5.87 kg (12.94 lbs)

Case Color

- Business black
- Foggy white

Bays

- 1x 2.5" disk bay
- 1x slim ODD bay

Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

Stand

## AIO stand

## Notes:

- 1.1: The system dimensions may vary depending on configurations.
- 2.2: 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

## Onboard Ethernet

Gigabit Ethernet, 1x RJ-45

WLAN + Bluetooth®\*\*<sup>[1]</sup>

- 802.11ac 1x1 Wi-Fi® + Bluetooth 4.0, M.2 card
- 802.11ac 2x2 Wi-Fi + Bluetooth 4.0, M.2 card

## Notes:

- 1.1: Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

Ports<sup>[1]</sup>Rear Ports<sup>[2]</sup>

- 1x HDMI-out 1.4
- 2x USB 2.0
- 1x USB 3.2 Gen 1 (for Celeron & Pentium models only)
- 1x USB 3.2 Gen 2 (for i3 / i5 / i7 models only)
- 1x Ethernet (RJ-45)
- 1x power connector

## Left Ports

- 1x USB 3.2 Gen 1 (for Celeron & Pentium models only)
- 1x USB 3.2 Gen 2 (for Core i3, i5 and i7 models only)
- 1x headphone / microphone combo jack (3.5mm)
- 1x card reader

## Right Ports

None

## Notes:

- 1.1: 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
- 2.2: For video ports on discrete graphics, please see graphics section

## SECURITY &amp; PRIVACY

## Security

## BIOS Security

- Administrator password
- Power-on password

## SERVICE

Warranty<sup>[1]</sup>

## Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite service

- 2-year courier or carry-in service
- 3-year courier or carry-in service
- OB

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**Notes:**

- 1.1: 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

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: -20°C (-4°F) to 60°C (140°F)

#### Humidity

- Operating: 20% to 80%
- Storage: 10% to 90%

#### Altitude

- Operating: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: 0 m (0 ft) to 12192 m (40,000 ft)

## CERTIFICATIONS

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

#### Green Certifications

- ErP Lot 3 and Lot 7
- RoHS compliant

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**Notes:**

- 1.1: 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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