

## OVERVIEW



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

## PERFORMANCE

### Processor

#### Processor Family

AMD Athlon™, AMD A6, or AMD Ryzen™ 3 / 5 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Athlon 300GE	2	4	3.4GHz	-	1MB L2 / 4MB L3	DDR4-2666	AMD Radeon™ Vega 3 Graphics
AMD Ryzen 3 3200GE	4	4	3.3GHz	3.8GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 8 Graphics
AMD Ryzen 3 4300GE	4	8	3.5GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-3200	AMD Radeon Graphics
AMD Ryzen 5 3400GE	4	8	3.3GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 11 Graphics
AMD Ryzen 5 4600GE	6	12	3.3GHz	4.2GHz	3MB L2 / 8MB L3	DDR4-3200	AMD Radeon Graphics
AMD Ryzen 5 PRO 4650GE	6	12	3.3GHz	4.2GHz	3MB L2 / 8MB L3	DDR4-3200	AMD Radeon Graphics
AMD Ryzen 7 4700GE	8	16	3.1GHz	4.3GHz	4MB L2 / 8MB L3	DDR4-3200	AMD Radeon Graphics

### Operating System

#### Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- No operating system

### Graphics

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

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon Graphics	Integrated	Shared	1x HDMI® 1.4	1920x1080@60Hz(HDMI)	DirectX® 12
AMD Radeon Vega 3 Graphics	Integrated	Shared	1x HDMI 1.4	1920x1080@60Hz(HDMI)	DirectX 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	1x HDMI 1.4	1920x1080@60Hz(HDMI)	DirectX 12
AMD Radeom Vega 11 Graphics	Integrated	Shared	1x HDMI 1.4	1920x1080@60Hz(HDMI)	DirectX 12

#### Notes:

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; work as standalone monitor via HDMI (HDMI in)

### Chipset

#### Chipset

AMD B300 chipset

### Memory

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

Up to 16GB DDR4-2666

**Memory Slots**

Two DDR4 SO-DIMM slots

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

DDR4-2666

**Memory Protection**

Non-ECC

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

**Storage****Storage Support**

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

- 2.5" HDD up to 2TB
- M.2 SSD up to 512GB

**Storage Type**

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	-	-

**RAID**

No support

**Removable Storage****Optical**

- USB external DVD burner (DVD±RW), slim (9.0mm)
- None

**Card Reader**

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

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

High Definition (HD) Audio

**Speakers**

Stereo speakers, 3W x2 + 5W

**Microphone**

Dual array microphone

**Camera**

- 720p, fixed focus
- IR & 1080p, fixed focus

**Power Supply****Power Supply**

Power	Type	Efficiency	Key Features
120W	Adapter	-	-
150W	Adapter	-	-

**DESIGN**

## Display

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	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. 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 Premium Wireless Keyboard, grey
- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Wireless Keyboard, black

### Mouse

- Lenovo Calliope Mouse (USB connector), black
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Premium Wireless Mouse, grey

## Mechanical

### Buttons

- Power button
- PC / monitor mode switcher

### Form Factor

AIO (23.8 inches)

### Dimensions (WxDxH)

450.9 x 185 x 435.19 mm (17.75 x 7.28 x 17.13 inches)

### Weight

10.5 kg (23.14 lbs)

### Case Color

Industry black

### Bays

1x 2.5" disk bay

### Expansion Slots

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

### Stand

Monitor stand, supports -5° to +25° tilt

### Others

(Optional) Wireless charger

## CONNECTIVITY

### Network

**Onboard Ethernet**

Gigabit Ethernet, 1x RJ45

**WLAN + Bluetooth®**

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

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

- 2x USB 2.0
- 1x USB 3.1 Gen 1
- 1x HDMI-out 1.4
- 1x HDMI-in
- 1x Ethernet (RJ-45)

**Bottom Ports**

1x power connector

**Left Ports**

- 2x USB 3.1 Gen 1
- 1x card reader
- 1x headphone / microphone combo jack (3.5mm)

**Right Ports**

None

**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: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

## SECURITY & PRIVACY

### Security

**BIOS Security**

- Administrator password
- Power-on password

## SERVICE

### Warranty

**Base Warranty**

- 1-year mail-in service
- 1-year depot service
- 2-year depot service

## 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: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

## CERTIFICATIONS

### Green Certifications

**Green Certifications**

- ErP Lot 3, Lot 6 and Lot 7
- GREENGUARD®
- RoHS compliant



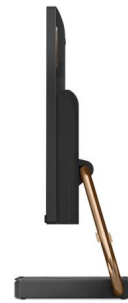
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