

OVERVIEW

1. Power button	9. Power connector
2. Microphone (3.5mm)	10. DisplayPort
3. Headphone / microphone combo jack (3.5mm)	11. USB 3.1 Gen 1
4. USB 3.1 Gen 1	12. DisplayPort
5. USB 3.1 Gen 1	13. USB 2.0
6. Kensington Security Slot	14. 2x USB 2.0
7. Optional port 1 *	15. Ethernet (RJ-45)
8. Optional port 2 *	16. Wi-Fi antenna slot

- Notes:
- Items with \* are only available on selected models

PERFORMANCE

Processor

Processor Family

AMD A9 APU

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD A9-9420e	2	2	1.8GHz	2.7GHz	1MB L2	DDR4-1866	AMD Radeon™ R5 Graphics

Operating System

Operating System

- Windows® 10 Pro 64
- No operating system

Graphics

Graphics

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon R5 Graphics	Integrated	Shared	2x DisplayPort™, 1x optional port (VGA / USB-C®)	3840x2160@60Hz(DP), 2048x1280@60Hz(VGA), 3840x2160@60Hz(USB-C)	DirectX® 12

Monitor Support

Monitor Support

Supports up to 2 independent displays via onboard ports (2x DisplayPort + 1x optional port [VGA / USB-C])

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

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

Up to 8GB DDR4-2666

Memory Slots

One DDR4 SO-DIMM slot

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.
- [2] Installed memory is actually 2666MHz, but run at 1866 due to the memory support capability of processor.

Storage

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

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

- 2.5" HDD: up to 1TB
- M.2 SSD up to 256GB

Storage Type

Disk Type	Interface	RPM
2.5" SATA HDD	SATA 6Gb/s	5.4K
2.5" SATA HDD	SATA 6Gb/s	7.2K

M.2 2242 SSD	PCIe® NVMe®	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-

**RAID**  
No support

Notes:  
[1] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

Removable Storage

**Optical**  
None  
**Card Reader**  
No card reader

Multi-Media

**Audio Chip**  
High Definition (HD) Audio, Realtek® ALC233-VB2-CG codec  
**Speakers**  
Single speaker, 1.5W x1

Power Supply

Power	Type	Efficiency	Key Features
65W	Adapter	88%	Autosensing
135W	Adapter	89%	Autosensing
No power supply	-	-	-

DESIGN

Input Device

**Keyboard**  
• Lenovo Traditional Keyboard (USB connector), black  
• No keyboard folio

**Mouse**  
• Lenovo Calliope Mouse (USB connector), black  
• No mouse

Mechanical

**Form Factor**  
Tiny (1L)  
**Dimensions (WxDxH)**<sup>[1]</sup>  
179 x 182.9 x 34.5 mm (7.05 x 7.20 x 1.36 inches)  
**Weight**<sup>[2]</sup>  
1.3 kg (2.87 lbs)

**Case Color**  
Black

**Bays**  
No bays  
**Expansion Slots**  
Two M.2 slots (one for WLAN, one for SSD)

EOU

(Optional) toolless chassis open (toolless chassis screw required) and toolless M.2 SSD, HDD, memory assembly / removal

**Stand**

- Vertical stand
- No stand

**Mounting**

- VESA mount bracket kit, supports VESA mount 75mm and 100mm
- None

**Others**

- (Optional) Dust filter
- (Optional) Power adapter cage

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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

**Onboard Ethernet**

Gigabit Ethernet, Realtek RTL8111HN, 1x RJ-45, supports Wake-on-LAN

**Optional Ethernet**

No optional Ethernet

**WLAN + Bluetooth®**

- Realtek RTL8822BE, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth 4.2, M.2 card
- Qualcomm® QCA6174A, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 4.2, M.2 card
- No WLAN and Bluetooth

**WWAN**

No support

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

**Front Ports**

- 2x USB 3.1 Gen 1 (one supports Always On and fast charge)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

**Optional Front Ports**

None

**Rear Ports**

- 1x USB 3.1 Gen 1
- 3x USB 2.0
- 2x DisplayPort
- 1x Ethernet (RJ-45)

**Optional Rear Ports**

- Optional port 1 (one of VGA / serial / USB-C 2.0 with DisplayPort function)
- Optional port 2 (serial)

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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.

## Monitor Cable

### Monitor Cable

- VGA Cable Tiny
- DP to VGA dongle
- DP to VGA cable (1.5M)
- DP to DVI-D dongle
- DP to HDMI® dongle
- No monitor cable

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified

#### Physical Locks

Kensington® Security Slot™

#### Chassis Intrusion Switch

Chassis intrusion switch

#### Fingerprint Reader

No fingerprint reader

#### BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

## MANAGEABILITY

### System Management

#### System Management

None

## SERVICE

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

#### Base Warranty

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-year courier or carry-in service
- 3-year limited onsite service
- 3-year split limited onsite service
- No base warranty

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>.

## CERTIFICATIONS

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

### Green Certifications

- ErP Lot 3
- RoHS compliant
- TCO Certified
- WEEE

#### 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-810G military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)

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