

PERFORMANCE

Processor

Processor Family

AMD Athlon™ 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 Athlon PRO 200GE	2	4	3.2GHz	-	1MB L2 / 4MB L3	DDR4-2666	AMD Radeon Vega 3 Graphics
AMD Athlon PRO 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 PRO 2200GE	4	4	3.2GHz	3.6GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 8 Graphics
AMD Ryzen 3 PRO 3200GE	4	4	3.3GHz	3.8GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 8 Graphics
AMD Ryzen 5 3350GE	4	8	3.3GHz	3.9GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon RX Vega 11 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 PRO 2400GE	4	8	3.2GHz	3.8GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 11 Graphics
AMD Ryzen 5 PRO 3350GE	4	8	3.3GHz	3.9GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 11 Graphics
AMD Ryzen 5 PRO 3400GE	4	8	3.3GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-2933	AMD Radeon Vega 11 Graphics

Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- Windows 10 IoT Enterprise
- Ubuntu Linux
- No operating system

Graphics

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon R5 Graphics	Integrated	Shared	1x HDMI®, 1x DisplayPort™, 1x optional port (VGA, 2nd DP, or 2nd HDMI)	4096x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2160 (DP)@60Hz	DirectX® 12
AMD Radeon R7 Graphics	Integrated	Shared	1x HDMI, 1x DisplayPort, 1x optional port (VGA, 2nd DP, or 2nd HDMI)	4096x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2160 (DP)@60Hz	DirectX 12
AMD Radeon Vega 3 Graphics	Integrated	Shared	1x HDMI, 1x DisplayPort, 1x optional port (VGA, 2nd DP, or 2nd HDMI)	4096x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2160 (DP)@60Hz	DirectX 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	1x HDMI, 1x DisplayPort, 1x optional port (VGA, 2nd DP, or 2nd HDMI)	4096x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2160 (DP)@60Hz	DirectX 12
AMD Radeon	Integrated	Shared	1x HDMI, 1x DisplayPort, 1x	4096x2160@30Hz(HDMI),	DirectX

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Vega 11 Graphics			optional port (VGA, 2nd DP, or 2nd HDMI)	1920x1200@60Hz(VGA), 4096x2160 (DP)@60Hz	12
AMD Radeon RX Vega 11 Graphics	Integrated	Shared	1x HDMI, 1x DisplayPort, 1x optional port (VGA, 2nd DP, or 2nd HDMI)	4096x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2160 (DP)@60Hz	DirectX 12

Notes:

- Integrated graphics information and onboard video ports information are not applicable for all models without integrated graphics (for the details, please refer to processor section)

Monitor Support

Supports up to 3 independent displays via onboard ports (DisplayPort + HDMI + 1x optional port [VGA / 2nd DP / 2nd HDMI])

Notes:

- Supports maximum of 2 concurrent HDMI/DVI displays when using HDMI port or DP to DVI/HDMI dongles, and Athlon / Athlon PRO only support 2 display

Chipset

AMD PRO 500 chipset

Memory

Memory Type

DDR4-2666

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Protection

Non-ECC

Max Memory

Up to 32GB DDR4-2666

Notes:

- The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support

Up to two drives, 1x 2.5" HDD + 1x M.2 2242/2280 SSD

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

RAID

Not support

Storage Type

Disk Type	Interface	RPM	Security
2.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	Opal

Removable Storage

Optical

- DVD-ROM, slim (9.0mm), via USB external ODD box
- DVD burner (DVD±RW), slim (9.0mm), via USB external ODD box
- Not configured

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Card Reader

Not Support

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC222-CG codec

Speakers

Single speaker, 1.5W x1

Power Supply

Power	Type	Efficiency	Key Features
65W	Adapter	88%	Autosensing
135W	Adapter	89%	Autosensing
135W	Adapter	88%	Autosensing
Not configured	-	-	-

DESIGN

Input Device

Keyboard

- Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
- Lenovo Traditional Keyboard (USB connector), black
- Not configured

Mouse

- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Calliope Mouse (USB connector), black
- Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black
- Not configured

Mechanical

Form Factor

Tiny (1L)

Dimensions (WxDxH)

Models	Dimensions
Tiny only	179 x 183 x 34.5 / 37 mm with rubber feet (7.05 x 7.2 x 1.36 / 1.5 inches with rubber feet)
With VESA mount & ODD box	188.4 x 185.38 x 63 mm (7.42 x 7.30 x 2.48 inches)

Weight

Models	Weight
Tiny Only	1.32 kg (2.91 lbs)
With VESA mount & ODD box	1.66 kg (3.66 lbs)

Case Color

Black

Bays

1x 2.5" disk bay

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
- Not configured

Mounting

- VESA mount bracket kit, supports VESA 75mm and 100mm
- Not configured

Others

- (Optional) Dust Filter
- (Optional) power adapter cage

CONNECTIVITY

Network

Onboard Ethernet

Gigabit Ethernet, Realtek RTL8111EPV-CG, 1x RJ45, supports Wake-on-LAN

Optional Ethernet

Not Support

WLAN + Bluetooth™

- Qualcomm® QCA6174A, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 4.2, M.2 card
- Realtek RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Intel® Wireless-AC 9260, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Not configured

Ports

Front Ports

- 1x USB 3.2 Gen 1 (Always On and fast charge)
- 1x USB-C 3.2 Gen 1
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

Notes:

- 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;

Optional Front Ports

None

Rear Ports

- 3x USB 2.0
- 1x USB 3.2 Gen 1
- 1x Ethernet (RJ-45)
- 1x HDMI
- 1x DisplayPort

Notes:

- For video ports on discrete graphics, please see graphics section

Optional Rear Ports

- Optional Port 1 (VGA / 2nd DisplayPort / 2nd HDMI / serial, select one)
- Optional Port 2 (serial)
- 1x parallel (USB to parallel dongle)

Monitor Cable

- VGA Cable Tiny
- DP to VGA dongle
- DP to dual DP dongle
- HDMI to VGA Dongle
- DP to DVI-D dongle
- DP to HDMI 1.4 dongle
- DP to VGA Cable (1.5M)
- Not configured

SECURITY & PRIVACY

Security

Security Chip

Discrete TPM 2.0, TCG certified

Physical Locks

Kensington® Security Slot

Chassis Intrusion Switch

Chassis intrusion switch

Fingerprint Reader

- Touch style fingerprint reader on mouse
- Not configured

BIOS Security

- Power-on password
- Administrator 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

DASH 1.0/1.1

SERVICE

Warranty

Base Warranty

- 1-year depot service
- 1-year limited onsite service
- 3-year limited onsite service
- No base warranty

CERTIFICATIONS

Green Certifications

- EPEAT™ Gold
- EPEAT Silver
- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS

Other Certifications

Other Certifications

- (Optional) TÜV Low Noise certified

- None

Mil-Spec Test

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

