

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 3 PRO 3300U	4	4	2.1GHz	3.5GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon™ Vega 6 Graphics
AMD Ryzen 5 PRO 3500U	4	8	2.1GHz	3.7GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon Vega 8 Graphics
AMD Ryzen 7 PRO 3700U	4	8	2.3GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon Vega 10 Graphics

### Operating System

#### Operating System

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

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
AMD Radeon Vega 6 Graphics	Integrated	Shared	DirectX® 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	DirectX 12
AMD Radeon Vega 10 Graphics	Integrated	Shared	DirectX 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays via native display and 3 external monitors; supports external monitors via HDMI® (up to 4096x2160@60Hz) or USB-C (up to 4096x2304@60Hz)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

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

DDR4-2400

#### Memory Slots

One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

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

- Up to 32GB (16GB soldered + 16GB SO-DIMM) DDR4-2400
- Up to 24GB (8GB soldered + 16GB SO-DIMM) DDR4-2400

#### Notes:

1. Installed memory is actually 2666MHz but run at 2400MHz due to processor limitation
2. 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**

One drive, 1x M.2 2280 SSD or 1x M.2 2242 SSD

- M.2 2280 SSD up to 1TB
- M.2 2242 SSD up to 128GB
- Optional Intel® Optane™ Memory integrated with SSD, M.2

**Storage Type**

Disk Type	Interface	RPM	Security
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x2	-	-
M.2 2280 SSD	SATA 6Gb/s	-	Opal2
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	Opal2

**Removable Storage****Optical**

None

**Card Reader**

MicroSD card reader

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

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby® Audio™ Premium

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

- Dual array microphone, far-field
- No microphone

**Camera**

- 720p, with ThinkShutter, fixed focus
- IR & 720p, with ThinkShutter, fixed focus
- No camera

**Notes:**

1. Microphone not configured is for special bid only

**Battery****Battery**

Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

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

MobileMark® 2014: 13.4 hr

**Notes:**

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 battery-life benchmark tests. Actual battery life will vary and depends 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**

- 45W USB-C AC adapter
- 65W USB-C AC adapter

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

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
14.0"	HD (1366x768)	None	TN	220 nits	Anti-glare	16:9	400:1	45% NTSC	90°	-
14.0"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	700:1	45% NTSC	170°	-
14.0"	FHD (1920x1080)	Multi-touch	IPS	300 nits	Anti-glare	16:9	700:1	45% NTSC	170°	-
14.0"	FHD (1920x1080)	None	IPS	400 nits	Anti-glare	16:9	800:1	72% NTSC	170°	Low power

#### Touchscreen

- On-cell touch, 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

6-row, spill-resistant, multimedia Fn keys

#### Keyboard Backlight

- LED backlight
- Not support

#### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad

## Mechanical

#### Dimensions (WxDxH)

329 x 227 x 17.9 mm (12.95 x 8.94 x 0.70 inches)

#### Weight

Models	Weight
FHD Low Power models	1.54 kg (3.39 lbs)
HD / FHD touch / FHD non-touch models	1.57 kg (3.46 lbs)

#### Case Color

Black

#### Case Material

PPS / 50% GF (top), PA / 50% GF (bottom)

## CONNECTIVITY

### Network

#### Onboard Ethernet

Gigabit Ethernet, Realtek RTL8111EPV

#### WLAN + Bluetooth™<sup>[1]</sup>

- Realtek RTL8822BE, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 4.2, M.2 card
- Intel Wireless-AC 9260, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

#### WWAN<sup>[2]</sup>

- Wireless WAN upgradable
- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- Not Support

#### SIM Card

- Gemalto eSIM
- Nano-SIM Card, Verizon LTE (US)
- No SIM card

**NFC**

Not support

**Notes:**

1. BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)
2. For non-WWAN model, it means the model is NOT WWAN upgradable

**Ports****Standard Ports<sup>(1)</sup>**

- 1x USB 3.1 Gen 1 (Always On)
- 1x USB 3.1 Gen 2
- 2x USB-C 3.1 Gen 2 (support data transfer, Power Delivery and DisplayPort™ 1.4)
- 1x HDMI 2.0
- 1x microSD card reader
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)
- 1x side docking connector

**Optional Ports**

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN models)

**Notes:**

1. Depending on many factors, actual data transfer speed may be lower than theoretical speed

**Monitor Cable****Monitor Cable**

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to DisplayPort Adapter
- Lenovo USB-C to VGA Adapter
- No monitor cable

**SECURITY & PRIVACY****Security****Security Chip**

- Discrete TPM 2.0, TCG certified
- Firmware TPM 2.0 integrated in chipset
- Disabled (in some regions)

**Physical Locks**

Kensington® Security Slot

**Smart Card Reader**

- Smart card reader
- No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader on palm rest, match-on-chip
- No fingerprint reader

**BIOS Security**

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

**Other Security**

- (Optional) ThinkShutter camera cover
- (Optional) IR camera for Windows Hello

## MANAGEABILITY

### System Management

#### System Management

DASH

## SERVICE

### Warranty

#### Base Warranty

- 1-year depot service
- 1-year limited onsite service
- 1-year depot with 2-year system board service
- 1-year + 2-year depot service
- 1-year + 2-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO
- RoHS compliant

### Other Certifications

#### Mil-Spec Test

MIL-STD-810G military test passed



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