

**OVERVIEW**



1. USB 3.2 Gen 1	5. USB 3.2 Gen 1
2. Ethernet (RJ-45)	6. HDMI
3. Kensington Nano Security Slot	7. USB-C 3.2 Gen 1
4. Power connector	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

- AMD Athlon™ or AMD Ryzen™ 3 / 5 7000 Series Processor
- AMD Ryzen™ 3 10 Series Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Athlon™ Gold 7220U	2	4	2.4GHz	3.7GHz	1MB L2 / 4MB L3	AMD Radeon™ 610M
AMD Athlon™ Silver 7120U	2	2	2.4GHz	3.5GHz	1MB L2 / 2MB L3	AMD Radeon™ 610M
AMD Ryzen™ 3 30	4	8	2.4GHz	4.1GHz	2MB L2 / 4MB L3	AMD Radeon™ 610M
AMD Ryzen™ 3 7320U	4	8	2.4GHz	4.1GHz	2MB L2 / 4MB L3	AMD Radeon™ 610M
AMD Ryzen™ 5 7520U	4	8	2.8GHz	4.3GHz	2MB L2 / 4MB L3	AMD Radeon™ 610M

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- No preload operating system

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
AMD Radeon™ 610M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4096x2160@30Hz
- USB-C® supports up to 4096x2160@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5-5500

### Storage

#### Max Storage Support

One drive, up to 1TB M.2 2242 SSD<sup>[1]</sup>

#### Storage Slot<sup>[2]</sup>

One M.2 2242 PCIe® 3.0 x2 slot

#### Storage Type\*\*

Disk Type	Interface	Offering

M.2 2242 SSD	PCIe® NVMe®, PCIe® 3.0 x4 <sup>[3]</sup>	128GB
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4 <sup>[4]</sup>	256GB / 512GB

## Notes:

- [1] The max storage capacity is only technical readiness and may be different from current Lenovo® storage offerings.
- [2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.  
 PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);  
 PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);  
 PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).
- [3] The SSD with PCIe® 3.0x4 is downgraded to closer to PCIe® 3.0x2 due to the system slot limitation.
- [4] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0x2 due to the system slot limitation.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 1.5W x2, Dolby Audio™

### Microphone

Dual-microphone array

### Camera

HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*

- 38Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr)
- 47Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr)

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

- Models with 38Wh battery:  
 MobileMark® 2018: 8.7 hr  
 Local video (1080p) playback@150nits: 14.4 hr
- Models with 47Wh battery:  
 MobileMark® 2018: 11.6 hr  
 Local video (1080p) playback@150nits: 15.1 hr

## Notes:

- [1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, MobileMark® 30, JEITA 2.0, JEITA 3.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary depending 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\*\*<sup>[1]</sup>

- 65W round tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz<sup>[2]</sup>
- 65W USB-C® slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz<sup>[3]</sup>
- No power adapter

## Notes:

- [1] AC adapter offerings depend on the country.
- [2], [3] Only MT 83CQ configured with 65W USB-C® AC adapter is TCO certified.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
15.6"	FHD (1920x1080)	Non-touch	TN	250nits	Anti-glare	16:9	500:1	45% NTSC	60Hz	45° / 45° / 15° / 35°	TÜV Rheinland® Low Blue Light (Software)
15.6"	FHD (1920x1080)	Non-touch	IPS <sup>[1]</sup>	300nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Rheinland® Low Blue Light (Software)

#### Touchscreen

Non-touch

#### Screen-to-Body Ratio

87%

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, SMB Service Hot key, numeric keypad, key travel 1.3mm

#### Keyboard Backlight

Non-backlight

#### Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 62 x 104 mm (2.44 x 4.09 inches)

### Mechanical

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

359.2 x 235.8 x 19.9 mm (14.14 x 9.28 x 0.78 inches)

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

Less than 1.63 kg (3.59 lbs)

#### Case Color\*\*

- Arctic grey
- Business black

#### Case Material

PC-ABS (top), PC-ABS (bottom)

#### Surface Treatment\*\*

- IMR (in-mold decoration by roller)
- Texture

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

### WLAN + Bluetooth®\*\*<sup>[1]</sup>

- Wi-Fi® 5, 802.11ac 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card

### WWAN

No support

### Ethernet

Gigabit Ethernet, 1x RJ-45

Notes:

<sup>[1]</sup> Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

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

### Standard Ports

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with USB PD 45-65W and DisplayPort™ 1.2
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Round tip power connector

Notes:

<sup>[1]</sup> 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.

Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for Lenovo® V15 G4 AMN](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Fingerprint Reader

No fingerprint reader

#### BIOS Security

- Hard disk password
- Power-on password
- Supervisor password

#### Other Security

Camera privacy shutter

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 2-year (1-yr battery) courier or carry-in service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Lenovo® V15 G4 AMN](#).

## OPERATING REQUIREMENTS

### Operating Environment

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

- At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## CERTIFICATIONS

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

#### Green Certifications<sup>[2][3]</sup>

- (Optional) TCO Certified 9.0
- ENERGY STAR® 9.0
- EPEAT™ Silver Registered<sup>[4]</sup>
- ErP Lot 3
- FSC certified package
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] TCO Certified 9.0 is only available for MT 83CQ (excluding India and Brazil).

EPEAT™ Silver Registered is available for MT 82YU/83CQ.

[4] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

TÜV Rheinland® Low Blue Light (Software Solution)

- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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