

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 | TGP | Key Features |
|------------------|------------|--------|---------------|--------------|
| AMD Radeon™ 610M | Integrated | Shared | Share CPU TDP | 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^[1]

Storage Slot^[2]

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 ^[3] | 128GB |
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 ^[4] | 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^[1]

- 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**^[1]

- 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^[2]
- 65W USB-C® slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz^[3]
- 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 Low Blue Light (Software) |
| 15.6" | FHD (1920x1080) | Non-touch | IPS ^[1] | 300nits | Anti-glare | 16:9 | 800:1 | 45% NTSC | 60Hz | 85° / 85° / 85° / 85° | TÜV 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)^[1]

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

Weight^[2]

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®**^[1]

- 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:

^[1] 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^[1]

Standard Ports

- 2x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer, Power Delivery (20V only) and DisplayPort™ 1.2)
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Power connector

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.

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^[1]

None

Notes:

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

OPERATING REQUIREMENTS

Operating Environment

Temperature^[1]

- 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^[1]

Green Certifications^{[2][3]}

- (Optional) TCO Certified 9.0
- ENERGY STAR® 9.0
- EPEAT™ Silver Registered^[4]
- 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 and 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 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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