## OVERVIEW




| | |
|---|---|
| 1. USB-A (USB 5Gbps) | 5. USB-A (USB 5Gbps) |
| 2. Ethernet (RJ-45) | 6. HDMI |
| 3. Kensington Nano Security Slot | 7. USB-C (USB 5Gbps), with USB PD 45-65W & DP 1.2 |
| 4. USB-C (USB 5Gbps), with USB PD 45-65W & DP 1.2 | 8. Headphone / microphone combo jack (3.5mm) |

# PERFORMANCE

## Processor

**Processor Family**

Intel® Core™ 3 / 5 / 7 Processor (Series 3)

**Processor****

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics | NPU |
|---|---|---|---|---|---|---|---|
| Core 3 304 | 5 (1 P-core + 4 LP E-core) | 5 | P-core 1.5GHz / LP E-core 1.4GHz | P-core 4.3GHz / LP E-core 3.3GHz | 6MB Intel® Smart Cache | Intel® Graphics, up to 9 TOPS | Up to 15 TOPS |
| Core 5 315 | 6 (2 P-core + 4 LP E-core) | 6 | P-core 1.5GHz / LP E-core 1.4GHz | P-core 4.4GHz / LP E-core 3.3GHz | 6MB Intel® Smart Cache | Intel® Graphics, up to 18 TOPS | Up to 15 TOPS |
| Core 5 320 | 6 (2 P-core + 4 LP E-core) | 6 | P-core 1.5GHz / LP E-core 1.4GHz | P-core 4.6GHz / LP E-core 3.4GHz | 6MB Intel® Smart Cache | Intel® Graphics, up to 20 TOPS | Up to 16 TOPS |
| Core 7 350 | 6 (2 P-core + 4 LP E-core) | 6 | P-core 1.5GHz / LP E-core 1.4GHz | P-core 4.8GHz / LP E-core 3.6GHz | 6MB Intel® Smart Cache | Intel® Graphics, up to 21 TOPS | Up to 17 TOPS |

## AI (Artificial Intelligence)

**AI PC Category**

AI PC

**NPU**

Up to 17 TOPS

## 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 |
|---|---|---|---|
| Intel® Graphics | Integrated | Shared | DirectX® 12 |

## Monitor Support

**Monitor Support**[1]

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)
• HDMI® supports up to 3840x2160@30Hz
• USB-C® supports up to 3840x2160@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

**Chipset**

Intel® SoC (System on Chip) platform

## Memory

**Max Memory**

Up to 32GB DDR5-5600 offering

**Memory Slots**

One DDR5 SODIMM slot

**Memory Type**

DDR5-5600

## Storage

**Max Storage Support**[1]

One drive, up to 512GB M.2 2242 SSD

**Storage Slot**[2]

One M.2 2242 PCIe® 4.0 x4 slot

**Storage Type**

| Disk Type | Interface | Offering |
|---|---|---|
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB |

Notes:

[1] The storage capacity supported is based on the test results with 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).

## Removable Storage

**Card Reader**

No card reader

## Multi-Media

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2

**Microphone**

Dual-microphone array with smart noise-cancelling

**Camera**

HD 720p, with privacy shutter, fixed focus

## Battery

**Battery**

47Wh Rechargeable Li-ion Battery, supports Rapid Charge Pro (charge up to 50% in 30min) with 65W AC adapter[1]

**Max Battery Life**[2]

MobileMark® 30@250nits: 9.3 hr
JEITA-BAT 3.0 (Video/Idle): up to 9.1 hr / 14.36 hr @200nits
PCMark 10@120nits: 12.71 hr

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.
[2] 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 USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.3" | FHD (1920x1080) | Non-touch | IPS[1] | 300nits | Anti-glare | 16:9 | 800:1 | 72% NTSC | 60Hz | 85° / 85° / 85° / 85° | TÜV Rheinland® Low Blue Light (Software) |

**Touchscreen**

Non-touch

**Screen-to-Body Ratio**

84%

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, numeric keypad, key travel 1.3mm, Copilot key

**Keyboard Backlight**

Non-backlight

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 70 x 105 mm (2.76 x 4.13 inches)

## Mechanical

**Dimensions (WxDxH)**[1]

399 x 274 x 20.4 mm (15.71 x 10.79 x 0.80 inches)

**Weight**[2]

Starting at 1.99 kg (4.39 lbs)

**Case Color**

Luna grey

**Case Material**

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

**Surface Treatment**

IMR (in-mold decoration by roller)

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® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card

**WWAN**

No support

**Ethernet**

Gigabit Ethernet, 1x RJ-45, supports Wake-on-LAN[2]

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.

[2] Wake-on-LAN needs the power adapter plugged in.

## Ports[1]

**Standard Ports**

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

Notes:

[1] The transfer speed of the 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.

## Docking

**Docking**

Various docking solutions supported via USB-C®.
For more compatible docking solutions, please visit Docking for Lenovo® V17 G7 IWC

# SECURITY & PRIVACY

## Security

**Security Chip**

Discrete TPM 2.0, TCG certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- Administrator password
- Hard disk password
- Power-on password
- User password
- Self-healing BIOS
- More BIOS security features, please visit BIOS Simulator

**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

# ACCESSORIES

## Bundled Accessories

**Bundled Accessories**[1]

None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Lenovo® V17 G7 IWC.

# 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).

# ENVIRONMENTAL

## Sustainability

**Material**[1]

30% PCC recycled plastic used in bottom cover
30% PCC recycled plastic used in the battery pack
90% PCC recycled plastic used in standard 65W USB-C® adapter
FSC certified content in carton
100% recycled content in paper cushion and screen sheet

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

# CERTIFICATIONS

## Green Certifications[1]

**Green Certifications**[2]

- ENERGY STAR® 9.0
- EPEAT 2.0 Gold Registered[3]
- ErP Lot 6/26
- RoHS compliant
- TCO Certified, generation 10

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] 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)[1]

Notes:

[1] TÜV Rheinland® Low Blue Light (Software Solution) certification is optional and only available on the models with preloaded OS.

- 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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