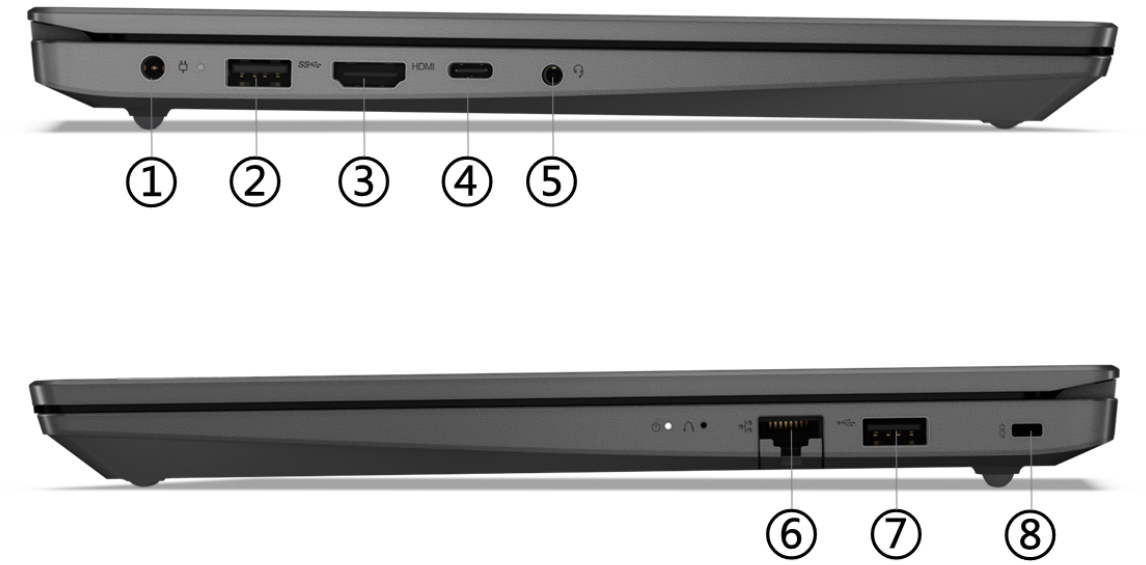
## OVERVIEW




| | |
|---|---|
| 1. Power connector | 5. Headphone / microphone combo jack (3.5mm) |
| 2. USB 3.2 Gen 1 | 6. Ethernet (RJ-45) |
| 3. HDMI | 7. USB 2.0 |
| 4. USB-C 3.2 Gen 1 | 8. Kensington Nano Security Slot |

# PERFORMANCE

## Processor

**Processor Family**

13th Generation Intel® U or H Series Core™ i3 / i5 / i7 Processor

**Processor****

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|---|---|---|---|---|---|---|
| Core i3-1315U | 6 (2 P-core + 4 E-core) | 8 | P-core 1.2GHz / E-core 0.9GHz | P-core 4.5GHz / E-core 3.3GHz | 10MB | Intel UHD Graphics |
| Core i5-1335U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.3GHz / E-core 0.9GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB | Intel Iris® Xe Graphics[1] |
| Core i5-13420H | 8 (4 P-core + 4 E-core) | 12 | P-core 2.1GHz / E-core 1.5GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB | Intel UHD Graphics |
| Core i7-1355U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.7GHz / E-core 1.2GHz | P-core 5.0GHz / E-core 3.7GHz | 12MB | Intel Iris Xe Graphics[2] |

Notes:

[1], [2] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

## Operating System

**Operating System****

- Windows® 11 DG Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No operating system

## Graphics

**Graphics****

| Graphics | Type | Memory | TGP | Key Features |
|---|---|---|---|---|
| Intel UHD Graphics | Integrated | Shared | Share CPU TDP | DirectX® 12.1 |
| Intel Iris Xe Graphics[1] | Integrated | Shared | Share CPU TDP | DirectX 12.1 |

Notes:

[1] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

## 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 3840x2160@30Hz
• USB-C supports up to 4096x2160@60Hz

## Chipset

**Chipset**

Intel SoC (System on Chip) platform

## Memory

**Max Memory[1]**

- Up to 16GB (8GB soldered + 8GB SO-DIMM) DDR4-3200 offering
- Up to 16GB (16GB soldered + empty SO-DIMM slot) DDR4-2933 offering

**Memory Slots**

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

**Memory Type****

- DDR4-2933
- DDR4-3200

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

## Storage

**Storage Support**[1]

- Models with 38Wh battery: up to two drives, 1x 2.5" HDD + 1x M.2 SSD
  - 2.5" HDD up to 1TB
  - M.2 2242 SSD up to 1TB
- Models with 45Wh battery: one drive, 1x M.2 SSD
  - M.2 2242 SSD up to 1TB

**Storage Slot**

- Models with 38Wh battery: one 2.5" drive slot + one M.2 slot
  - One 2.5" SATA HDD slot
  - One M.2 2280 PCIe® 4.0 x4 slot
- Models with 45Wh battery: one M.2 slot
  - One M.2 2280 PCIe 4.0 x4 slot

**Storage Type*****

| Disk Type | Interface | RPM | Offering |
|---|---|---|---|
| 2.5" SATA HDD | SATA 6Gb/s | 5.4K | 1TB |
| M.2 2242 SSD | PCIe NVMe®, PCIe 3.0 x4 | - | 128GB |
| M.2 2242 SSD | PCIe NVMe, PCIe 4.0 x4 | - | 256GB / 512GB / 1TB |

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.

## 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 with noise-cancelling

**Camera**

HD 720p, with privacy shutter, fixed focus

## Battery

**Battery****

- Integrated Li-Polymer 38Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Max Battery Life**[1]

- Models with 38Wh battery:
  MobileMark® 2018: 6.4 hr
  Local video (1080p) playback@150nits: 7.5 hr
- Models with 45Wh battery:
  MobileMark 2018: 6.8 hr
  Local video (1080p) playback@150nits: 8.4 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, JEITA 2.0, 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

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.6″ | FHD (1920x1080) | None | TN | 250nits | Anti-glare | 16:9 | 500:1 | 45% NTSC | 60Hz | 45°/45°/15°/35° | TÜV Low Blue Light (Software) |
| 15.6″ | FHD (1920x1080) | None | IPS[1] | 300nits | Anti-glare | 16:9 | 800:1 | 45% NTSC | 60Hz | 85°/85°/85°/85° | TÜV Low Blue Light (Software) |

**Touchscreen**

Non-touch

Notes:

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

## Input Device

**Keyboard**

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

**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]

Starting at 1.65 kg (3.64 lbs)

**Case Color**[**]

- Business black
- Iron grey

**Surface Treatment**[**]

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

**Case Material**

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

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

**Ethernet**

Gigabit Ethernet, 1x RJ-45

**WLAN + Bluetooth®**[1]**

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

Notes:

[1] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.
[2] Wi-Fi 6 full features might be limited by country-level restrictions.

## Ports[1]

**Standard Ports**

- 1x Ethernet (RJ-45)
- 1x HDMI 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector
- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.2)

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.

## Docking

**Docking**

Various docking solutions supported via USB-C.
For more compatible docking solutions, please visit Docking for Lenovo V15 G4 IRU

# 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**

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

**Other Security**

Camera privacy shutter

# SERVICE

## Warranty[1]

**Base Warranty****

- 1-year courier or carry-in service
- 2-year (1-yr battery) courier or carry-in service

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to https://smartfind.lenovo.com/. To learn more details of warranty policy, please access https://pcsupport.lenovo.com/warranty.

# ENVIRONMENTAL

## 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)

**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).

# ACCESSORIES

## Bundled Accessories

**Bundled Accessories**

- Lenovo 15.6" laptop casual toploader, polyester
- None

# CERTIFICATIONS

## Green Certifications[1]

**Green Certifications**[2]

- FSC certified package
- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Silver Registered[3]
- ErP Lot 6
- ErP Lot 26
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
[2] EPEAT is only available for MT 83CC.
[3] EPEAT is registered where applicable, please see https://www.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 offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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