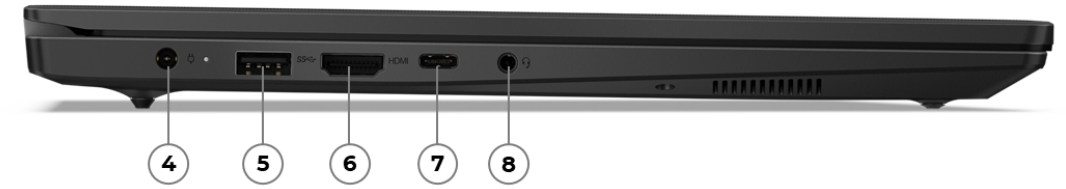
OVERVIEW





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. Power connector	8. Headphone / microphone combo jack (3.5mm)

PERFORMANCE

Processor

Processor Family

- 13th Generation Intel® U or H Series Core i3 / i5 / i7 Processor
- Intel® H Series Core 5 / 7 Processor (Series 2)
- Intel® U Series Core 3 / 5 / 7 Processor (Series 1)

Processor**[1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	-	P-core 4.5GHz / E-core 3.3GHz	10MB Intel® Smart Cache	Intel® UHD Graphics
Core i5-13420H	8 (4 P-core + 4 E-core)	12	-	P-core 4.6GHz / E-core 3.4GHz	12MB Intel® Smart Cache	Intel® UHD Graphics
Core i7-13620H	10 (6 P-core + 4 E-core)	16	-	P-core 4.9GHz / E-core 3.6GHz	24MB Intel® Smart Cache	Intel® UHD Graphics
Core 3 100U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 900MHz	P-core 4.7GHz / E-core 3.3GHz	10MB Intel® Smart Cache	Intel® Graphics
Core 5 120U	10 (2 P-core + 8 E-core)	12	P-core 1.4GHz / E-core 900MHz	P-core 5.0GHz / E-core 3.8GHz	12MB Intel® Smart Cache	Intel® Graphics
Core 5 210H	8 (4 P-core + 4 E-core)	12	P-core 2.2GHz / E-core 1.6GHz	P-core 4.8GHz / E-core 3.6GHz	12MB Intel® Smart Cache	Intel® Graphics
Core 5 220U	10 (2 P-core + 8 E-core)	12	P-core 1.4GHz / E-core 900MHz	P-core 5.0GHz / E-core 3.8GHz	12MB Intel® Smart Cache	Intel® Graphics
Core 7 150U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.2GHz	P-core 5.4GHz / E-core 4.0GHz	12MB Intel® Smart Cache	Intel® Graphics
Core 7 240H	10 (6 P-core + 4 E-core)	16	P-core 2.5GHz / E-core 1.8GHz	P-core 5.2GHz / E-core 4.0GHz	24MB Intel® Smart Cache	Intel® Graphics

Notes:

[1] Intel® Core™ 5 120U and Core 7 150U have been end of life and not available anymore.

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® UHD Graphics	Integrated	Shared	DirectX® 12.1
Intel® Graphics	Integrated	Shared	DirectX® 12.1

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

Intel® SoC (System on Chip) platform

Memory

Max Memory[1]

Up to 32GB DDR5-5200 offering

Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

Memory Type

DDR5-5200

Notes:

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

Storage

Max Storage Support[1]

One drive, up to 1TB 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® 3.0 x4	512GB
M.2 2242 SSD[3]	PCIe® NVMe®, PCIe® 4.0 x4	128GB / 256GB / 512GB / 1TB

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).
[3] 128GB SSD is for special bid only.

Removable Storage

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Senary SN6147 codec

Speakers

Stereo speakers, 1.5W x2

Microphone

Dual-microphone array

Camera

HD 720p, with privacy shutter, fixed focus

Battery

Battery

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

Max Battery Life[1]

MobileMark® 2018: 8.9 hr
Local video (1080p) playback@150nits: 11.2 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
- 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.

Special Features

Special Features

Modern Standby

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, numeric keypad, key travel 1.3mm, Copilot key

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 18.3 mm (14.14 x 9.28 x 0.72 inches)

Weight[2]

Starting at 1.61 kg (3.55 lbs)

Case Color**

- Business black
- Luna grey

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® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card
- Intel® Wi-Fi® 6 AX203, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card

WWAN

No support

Ethernet

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

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-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:

[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® V15 G5 IRL

SECURITY & PRIVACY

Security

Security Chip**

- Firmware TPM 2.0 integrated in SoC
- 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[1]

Other Security

Camera privacy shutter

Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

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]

- Lenovo® 15.6″ laptop casual toploader, polyester[2]
- None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Lenovo® V15 G5 IRL.
[2] Lenovo® 15.6″ laptop casual toploader is exclusively available to EMEA.

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]

25% PCC recycled plastic used in the battery pack enclosure
90% PCC recycled plastic used in standard 65W USB-C® adapter
30% PCC recycled plastic used in standard 65W round tip adapter
95% recycled content in PIC cushion
90% recycled content in OBP bag
FSC certified content in carton box

Notes:

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

CERTIFICATIONS

Green Certifications[1]

Green Certifications[2][3]

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered[4]
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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™ registration and TCO certification are only available for MT 83HF.
[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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