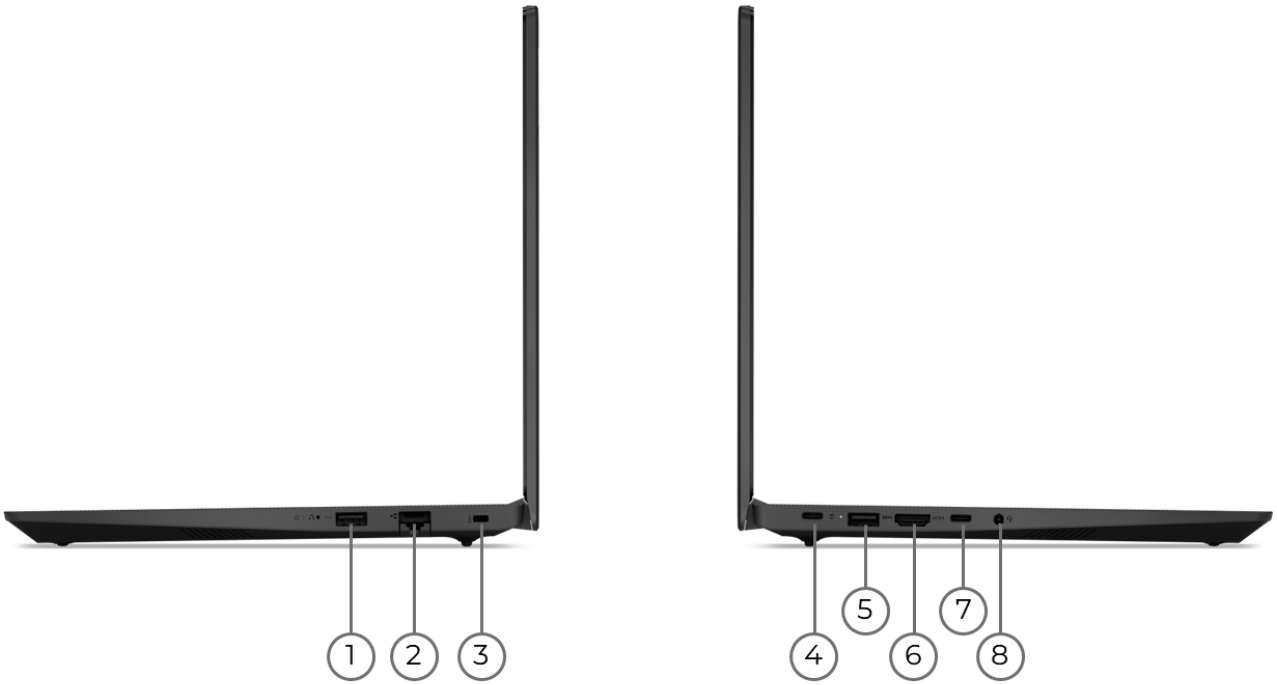
OVERVIEW



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[1]

NPU

Up to 17 TOPS

Notes:

[1] AI PCs have a NPU capable of 10+ TOPs to run the Copilot assistant by pressing the optional Microsoft® Copilot key or using Win + C.

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][2]

One drive, up to 1TB M.2 2242 SSD or 128GB M.2 UFS memory card

Storage Slot[3]

One M.2 2242 PCIe® 4.0 x4 slot

Storage Type**

Disk Type	Interface	Offering
Flash Memory	UFS 2.2	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.
[2] The system has one M.2 2242 SSD or one UFS storage card exclusively.
[3] 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: 10.81 hr
JEITA-BAT 3.0 (Video/Idle): up to 11.96 hr / 17.56 hr @200nits
PCMark 10@120nits: 15.7 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
14″	FHD (1920x1080)	Non-touch	TN	300nits	Anti-glare	16:9	500:1	45% NTSC	60Hz	45° / 45° / 15° / 35°	TÜV Rheinland® Low Blue Light (Software)
14″	FHD (1920x1080)	Non-touch	IPS[1]	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, 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]

324.2 x 215 x 19.9 mm (12.76 x 8.46 x 0.78 inches)

Weight[2]

Starting at 1.37 kg (3.02 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® 5.3, 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

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)

Docking

Docking

Various docking solutions supported via USB-C®.
For more compatible docking solutions, please visit Docking for Lenovo® V14 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
- No base warranty

ACCESSORIES

Bundled Accessories

Bundled Accessories[1]

None

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Lenovo® V14 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™ 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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