

# Specifications of Dell G15 5515

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell G15 5515.

**Table 2. Dimensions and weight**

Description	Values
Height:	
Front height	21.21 mm (0.83 in.) / 21.32 mm (0.84 in.)
Rear height	24.90 mm (0.98 in.) / 26.90 mm (1.05 in.)
Width	357.26 mm (14.07 in.)
Depth	272.11 mm (10.71 in.)
Weight (maximum)	2.81 kg (6.19 lb) <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.

## Processor

The following table lists the details of the processors supported by your Dell G15 5515.

**Table 3. Processor**

Description	Option one	Option two
Processor type	AMD Ryzen 5 5600H	AMD Ryzen 7 5800H
Processor wattage	45 W	45 W
Processor core count	6	8
Processor thread count	12	16
Processor speed	Up to 4.20 GHz	Up to 4.40 GHz
Processor cache	16 MB	16 MB
Integrated graphics	AMD Radeon Graphics	AMD Radeon Graphics

# Chipset

The following table lists the details of the chipset supported by your Dell G15 5515.

**Table 4. Chipset**

Description	Values
Chipset	Integrated in processor
Processor	<ul style="list-style-type: none"><li>• AMD Ryzen 5 5600H</li><li>• AMD Ryzen 7 5800H</li></ul>
DRAM bus width	128-bit
Flash EPROM	16 MB
PCIe bus	Up to Gen3

# Operating system

Your Dell G15 5515 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit

# Memory

The following table lists the memory specifications of your Dell G15 5515.

**Table 5. Memory specifications**

Description	Values
Memory slots	Two SoDIMM slots
Memory type	DDR4
Memory speed	3200 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	4 GB
Memory size per slot	4 GB, 8 GB, 16 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 8 GB, 2 x 4 GB, Dual-Channel DDR4, 3200 MHz</li><li>• 12 GB, 1 x 4 GB + 1 x 8 GB, 3200 MHz</li><li>• 16 GB, 2 x 8 GB, Dual-Channel DDR4, 3200 MHz</li><li>• 32 GB, 2 x 16 GB, Dual-Channel DDR4, 3200 MHz</li></ul>

## External ports

The following table lists the external ports of your Dell G15 5515.


**Table 6. External ports**

Description	Values
Network port	One RJ45 port
USB ports	On computers shipped with NVIDIA GeForce RTX 3050 and RTX 3050 Ti <ul style="list-style-type: none"><li>• One USB 2.0 port</li><li>• One USB 2.0 port with PowerShare</li><li>• One USB 3.2 Gen 1 port</li><li>• One USB 3.2 Gen 2 Type-C port with Display Port</li></ul> On computers shipped with NVIDIA GeForce RTX 3060 <ul style="list-style-type: none"><li>• Two USB 3.2 Gen 1 port</li><li>• One USB 3.2 Gen 1 port with Power Share</li><li>• One USB 3.2 Gen 2 Type-C port with DisplayPort</li></ul>
Audio port	One headset (headphone and microphone combo) port
Video port	One HDMI 2.1 port
Media-card reader	Not applicable
Power-adaptor port	One 7.4 mm x 5.1 mm power-adaptor port
Security-cable slot	Not supported

## Internal slots

The following table lists the internal slots of your Dell G15 5515.

**Table 7. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"><li>• One M.2 2230 slot for WiFi and Bluetooth combo card</li><li>• Two M.2 2230/2280 slot for solid-state drive</li></ul> <p> <b>NOTE:</b> To learn more about the features of different types of M.2 cards, see the knowledge base article <a href="https://www.dell.com/support/solutions/1000144170">000144170</a> at <a href="https://www.dell.com/support">www.dell.com/support</a>.</p>

## Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Dell G15 5515.

**Table 8. Ethernet specifications**

Description	Values
Model number	Realtek RTL8125BGS PCI-e 2.5Gigabit ethernet controller
Transfer rate	10/100/1000/2500 Mbps

# Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Dell G15 5515.

**Table 9. Wireless module specifications**

Description	Values
Model number	Killer 1650X
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"><li>• WiFi 802.11a/b/g</li><li>• Wi-Fi 4 (WiFi 802.11n)</li><li>• Wi-Fi 5 (WiFi 802.11ac)</li><li>• Wi-Fi 6 (WiFi 802.11ax)</li></ul>
Encryption	<ul style="list-style-type: none"><li>• 64-bit/128-bit WEP</li><li>• AES-CCMP</li><li>• TKIP</li></ul>
Bluetooth	Bluetooth 5.2

# Audio

The following table lists the audio specifications of your Dell G15 5515.

**Table 10. Audio specifications**

Description	Values
Audio controller	Realtek ALC3254 with Nahimic 3D Audio for Gamers
Stereo conversion	Supported
Internal audio interface	High Definition Audio
External audio interface	Headset combo connector/Digital-array microphone input on camera module
Number of speakers	Two
Internal-speaker amplifier	Supported (audio codec built-in amplifier)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average speaker output	2 W
Peak speaker output	2.5 W
Subwoofer output	Not supported
Microphone	Dual-array microphones

# Storage

This section lists the storage options on your Dell G15 5515.

Your Dell G15 5515 supports two M.2 2230/2280 solid-state drive. The M.2 drive is the primary drive of your Dell G15 5515.

- i** **NOTE:** The solid-state drive is secured to the system board by a solid-state drive bracket that is specific to the form factor of the solid-state drive. If you are replacing a solid-state drive, ensure that the new solid-state drive has the same form factor. For example, replace an M.2 2280 solid-state drive with an M.2 2280 solid-state drive.
- i** **NOTE:** The solid-state drive is secured to the system board by a solid-state drive bracket that is specific to the form factor of the solid-state drive. If you are replacing a solid-state drive, ensure that the new solid-state drive has the same form factor. For example, replace an M.2 2280 solid-state drive with an M.2 2280 solid-state drive.
- i** **NOTE:** If you have ordered only one solid-state drive, it can be upgraded to the solid-state drive of the same form factor but an additional solid-state drive is not supported. If you have ordered two solid-state drives, they can be upgraded to the solid-state drives of the same form factor respectively.

**Table 11. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe Gen3 x4 NVMe	Up to 1 TB
M.2 2280 solid-state drive	PCIe Gen3 x4 NVMe	Up to 2 TB

# Keyboard

The following table lists the keyboard specifications of your Dell G15 5515.

**Table 12. Keyboard specifications**

Description	Values
Keyboard type	<ul style="list-style-type: none"><li>● Standard keyboard</li><li>● Backlit keyboard</li><li>● Four-zone RGB backlit keyboard</li></ul>
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"><li>● United States and Canada: 101 keys</li><li>● United Kingdom: 102 keys</li><li>● Japan: 105 keys</li></ul>
Keyboard size	X=18.70 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p><b>i</b> <b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.</p> <p>For more information, see <a href="#">Keyboard shortcuts</a>.</p>

# Camera

The following table lists the camera specifications of your Dell G15 5515.

**Table 13. Camera specifications**

Description		Values
Number of cameras		One
Camera type		RGB HD camera
Camera location		Front camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	0.92 megapixel
	Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle:		78.6 degrees

# Touchpad

The following table lists the touchpad specifications of your Dell G15 5515.

**Table 14. Touchpad specifications**

Description		Values
Touchpad resolution:		
	Horizontal	1229
	Vertical	749
Touchpad dimensions:		
	Horizontal	105 mm (4.13 in.)
	Vertical	60 mm (2.36 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article <a href="https://support.microsoft.com">4027871</a> at <a href="https://support.microsoft.com">support.microsoft.com</a> .


# Power adapter

The following table lists the power adapter specifications of your Dell G15 5515.

**Table 15. Power adapter specifications**

Description	Option one	Option two
Type	240 W	180 W
Connector dimensions:		
	External diameter	7.40 mm


**Table 15. Power adapter specifications (continued)**

Description		Option one	Option two
	Internal diameter	5.10 mm	5.10 mm
Input voltage		100 VAC–240 VAC	100 VAC–240 VAC
Input frequency		50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)		3.50 A	2.34 A
Output current (continuous)		12.31 A	9.23 A
Rated output voltage		19.50 VDC	19.50 VDC
Temperature range:			
	Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
 <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.			

## Battery

The following table lists the battery specifications of your Dell G15 5515.

**Table 16. Battery specifications**

Description		Option one	Option two
Battery type		6-cell (86 Wh) "smart" lithium-ion	3-cell (56 Wh) "smart" lithium-ion
Battery voltage		11.40 VDC	13.20 VDC
Battery weight (maximum)		0.34 kg (0.74 lb)	0.25 kg (0.55 lb)
Battery dimensions:			
	Height	7.56 mm (0.3 in.)	7.56 mm (0.3 in.)
	Width	294.90 mm (11.62 in.)	295.20 mm (11.62 in.)
	Depth	77.50 mm (3.05 in.)	77.50 mm (3.05 in.)
Temperature range:			
	Operating	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)
	Storage	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (-4°F to 149°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate)		4 hours (when the computer is off)	4 hours (when the computer is off)
 <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager			

**Table 16. Battery specifications (continued)**

Description	Option one	Option two
application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on <a href="http://www.dell.com">www.dell.com</a> .		
Coin-cell battery	Not applicable	Not applicable
<p><b>⚠ CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</b></p> <p><b>i NOTE:</b> Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer and then restart your computer to reduce the power consumption.</p>		

## Display

The following table lists the display specifications of your Dell G15 5515.

**Table 17. Display specifications**

Description	Option one	Option two
Display type	Full High Definition (FHD)	Full High Definition (FHD)
Display-panel technology	Wide-Viewing Angle (WVA)	Wide-Viewing Angle (WVA)
Display-panel dimensions (active area):		
Height	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)
Width	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)
Diagonal	395 mm (15.55 in.)	395 mm (15.55 in.)
Display-panel native resolution	1920 x 1080	1920 x 1080
Luminance (typical)	250 nits	300 nits
Megapixels	2.07	2.07
Color gamut	45% NTSC	100% sRGB
Pixels Per Inch (PPI)	141	141
Contrast ratio (min.)	600 : 1	800 : 1
Response time (max.)	35 ms	13 ms
Refresh rate	120 Hz	165 Hz
Horizontal view angle	80 +/- degrees (minimum)	80 +/- degrees (minimum)
Vertical view angle	80 +/- degrees (minimum)	80 +/- degrees (minimum)
Pixel pitch	0.17925 mm x 0.17925 mm	0.17925 mm x 0.17925 mm
Power consumption (maximum)	4.60 W	6 W



**Table 17. Display specifications (continued)**

Description	Option one	Option two
Anti-glare vs glossy finish	Anti-glare	Anti-glare
Touch options	No	No

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell G15 5515.

**Table 18. GPU—Integrated**

Controller	Memory size	Processor
AMD Radeon Graphics	Shared system memory	AMD Ryzen 5 5600H/ 7 5800H

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Dell G15 5515.

**Table 19. GPU—Discrete**


Controller	Memory size	Memory type
NVIDIA GeForce RTX 3060	6 GB	GDDR6
NVIDIA GeForce GTX 3050 Ti	4 GB	GDDR6
NVIDIA GeForce GTX 3050	4 GB	GDDR6

## Operating and storage environment

This table lists the operating and storage specifications of your Dell G15 5515.

**Airborne contaminant level:** G1 as defined by ISA-S71.04-1985

**Table 20. Computer environment**

Description	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G†	160 G†
Altitude range	-15.2 m to 3048 m (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 ft)
 <b>CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</b>		

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse when the hard drive is in use.