

Dell G5 SE

Setup and Specifications



Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Set up your Dell G5 5505

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

1. Connect the power adapter and press the power button.



NOTE: The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

2. Finish Windows setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.
- **NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps





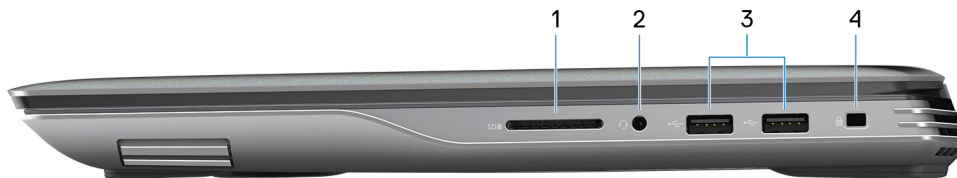
Resources	Description
	My Dell Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.
	SupportAssist Proactively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at www.dell.com/support . NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.

Table 1. Locate Dell apps(continued)

Resources	Description
	<p>Dell Update</p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article SLN305843 at www.dell.com/support.</p>
	<p>Dell Digital Delivery</p> <p>Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article 153764 at www.dell.com/support.</p>

Views of Dell G5 5505

Right



1. SD-card slot

Reads from and writes to the SD card. The computer supports the following card types:

- Secure Digital (SD)
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)

2. Headset port

Connect headphones or a headset (headphone and microphone combo).

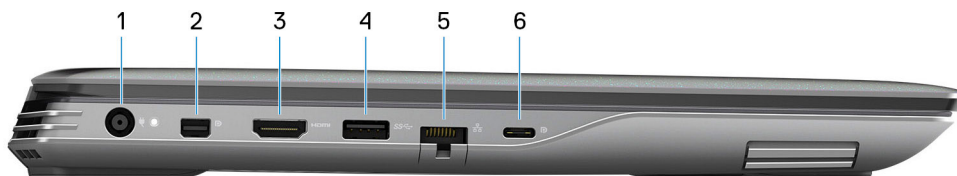
3. USB 2.0 ports (2)

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps.

4. Security-cable slot (wedge-shaped)

Connect a security cable to prevent unauthorized movement of your computer.

Left



1. Power-adaptor port

Connect a power adaptor to provide power to your computer and charge the battery.

2. Mini DisplayPort

Connect to a TV or another DisplayPort-in enabled device. Provides video and audio output.

3. HDMI port

Connect to a TV or another HDMI-in enabled device. Provides video and audio output.

4. USB 3.2 Gen 1 port

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

5. Network port

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.

6. USB 3.2 Gen 2 (Type-C) port with DisplayPort

Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer rate of up to 10 Gbps.

Supports DisplayPort 1.4 and also enables you to connect an external display using a display adapter.

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

Base



1. Left-click area

Press to left-click.

2. Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two finger tap to right-click.

3. Right-click area

Press to right-click.

4. Power button with optional fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 4 seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.

NOTE: You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at www.dell.com/support/manuals.

Display



1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Camera

Enables you to video chat, capture photos, and record videos.

3. Camera-status light

Turns on when the camera is in use.

4. Right microphone

Provides digital sound input for audio recording and voice calls.

Bottom



1. Service Tag label

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

Specifications of Dell G5 5505

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell G5 5505.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	21.60 mm (0.85 in.)
Peak height	30.96 mm (1.22 in.)
Rear height	26.57 mm (1.05 in.)
Width	364.46 mm (14.35 in.)
Depth	254 mm (10.00 in.)
Weight (maximum)	2.50 kg (5.51 lb) <i>i</i> NOTE: 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 G5 5505.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	AMD Ryzen 5 4600H	AMD Ryzen 7 4800H	AMD Ryzen 9 4900H
Processor wattage	45 W	45 W	45 W
Processor core count	6	8	8
Processor thread count	12	16	16
Processor speed	Up to 4 GHz	Up to 4.3 GHz	Up to 4.4 GHz
Processor cache	8 MB	8 MB	8 MB
Integrated graphics	AMD Radeon Graphics	AMD Radeon Graphics	AMD Radeon Graphics

Chipset

The following table lists the details of the chipset supported by your Dell G5 5505.

Table 4. Chipset

Description	Values
Chipset	Integrated in processor
Processor	AMD Ryzen 5 4600H/AMD Ryzen 7 4800H/AMD Ryzen 9 4900H
DRAM bus width	64-bit
Flash EPROM	16 MB
PCIe bus	Up to Gen3

Operating system

Your Dell G5 5505 supports the following operating systems:

- Windows 10 Home, 64-bit
- Windows 10 Professional, 64-bit

Memory

The following table lists the memory specifications of your Dell G5 5505.

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">• 8 GB, 2 x 4 GB, Dual-Channel DDR4, 3200 MHz• 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 3200 MHz• 16 GB, 2 x 8 GB, Dual-Channel DDR4, 3200 MHz• 32 GB, 2 x 16 GB, Dual-Channel DDR4, 3200 MHz

External ports

The following table lists the external ports of your Dell G5 5505.

Table 6. External ports

Description	Values
Network port	One RJ-45 port


Table 6. External ports(continued)

Description	Values
USB ports	<ul style="list-style-type: none"> One USB 3.2 Gen 1 port Two USB 2.0 ports One USB 3.2 Gen 2 (Type-C) port
Audio port	One headset (headphone and microphone combo) port
Video port	<ul style="list-style-type: none"> One HDMI 2.0 port One mini DisplayPort 1.4b
Media-card reader	One SD-card slot
Docking port	Not supported
Power-adaptor port	One 7.4 mm x 5.1 mm power-adaptor port
Security	One wedge-shaped lock

Internal slots

The following table lists the internal slots of your Dell G5 5505.

Table 7. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for WiFi and Bluetooth combo card Two M.2 2230/2280 slots for solid-state drive <p> NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626 at www.dell.com/support.</p>

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Dell G5 5505.

Table 8. Ethernet specifications

Description	Values
Model number	RTL8111H PCI-e Gigabit ethernet controller
Transfer rate	10/100/1000 Mbps

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Dell G5 5505.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	Qualcomm QCA (DW 1820)	Killer 1650x
Transfer rate	Up to 867 Mbps	Up to 2400 Mbps

Table 9. Wireless module specifications(continued)

Description	Option one	Option two
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"> • Wi-Fi 802.11b/g/a • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • 	<ul style="list-style-type: none"> • WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP 	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 4.2	Bluetooth 5

Audio

The following table lists the audio specifications of your Dell G5 5505.

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	Universal audio jack
Number of speakers	Two
Internal-speaker amplifier	Supported (audio codec integrated)
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 G5 5505.

Your Dell G5 15 5505 supports two M.2 2230/2280 solid-state drives.

Table 11. Storage specifications

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

Media-card reader

The following table lists the media cards supported by your Dell G5 5505.

Table 12. Media-card reader specifications

Description	Values
Media-card type	One SD card slot
Media-cards supported	<ul style="list-style-type: none">Secure Digital (SD)Secure Digital High Capacity (SDHC)Secure Digital Extended Capacity (SDXC)
NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Keyboard

The following table lists the keyboard specifications of your Dell G5 5505.

Table 13. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none">Standard keyboardBacklit keyboard4-zone RGB keyboard with G key
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">United States and Canada: 81 keysUnited Kingdom: 82 keysJapan: 85 keys
Keyboard size	X=18.7 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>NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.</p> <p>For more information, see keyboard shortcuts.Keyboard shortcuts</p>

Camera

The following table lists the camera specifications of your Dell G5 5505.

Table 14. Camera specifications

Description	Values
Number of cameras	One

Table 14. Camera specifications(continued)

Description		Values
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 G5 5505.

Table 15. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	1229
	Vertical	749
Touchpad dimensions:		
	Horizontal	105 mm (4.13 in.)
	Vertical	65 mm (2.56 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your Dell G5 5505.

Table 16. Power adapter specifications

Description		Values
Type		E4 240W
Connector dimensions:		
	External diameter	7.40 mm
	Internal diameter	5.10 mm
Input voltage		100 VAC–240 VAC
Input frequency		50 Hz–60 Hz

Table 16. Power adapter specifications(continued)

Description		Values
Input current (maximum)		3.50 A
Output current (continuous)		12.31 A
Rated output voltage		19.50 VDC
Temperature range:		
	Operating	0°C to 40°C (32°F to 104°F)
	Storage	-40°C to 70°C (-40°F to 158°F)

Battery

The following table lists the battery specifications of your Dell G5 5505.

Table 17. Battery specifications

Description		Option one	Option two
Battery type		3-cell polymer (51 WHr)	4-cell polymer (68 WHr)
Battery voltage		11.40 VDC	11.40 VDC
Battery weight (maximum)		0.21 kg (0.46 lb)	0.26 kg (0.57 lb)
Battery dimensions:			
	Height	241 mm (9.49 in.)	321 mm (12.64 in.)
	Width	67.45 mm (2.66 in.)	67.45 mm (2.66 in.)
	Depth	7.05 mm (0.28 in.)	7.05 mm (0.28 in.)
Temperature range:			
	Operating	0°C to 35°C (32°F to 95°F)	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (TBD°F to 149°F)	-40°C to 65°C (TBD°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) i NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com/	4 hours (when the computer is off) i NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com/
Battery life span (approximate)		300 discharge/charge cycles	300 discharge/charge cycles
Coin-cell battery		CR2032	CR2032

Display

The following table lists the display specifications of your Dell G5 5505.

Table 18. Display specifications

Description		Option one	Option two	Option three
Display type		Full High Definition (FHD)	Full High Definition (FHD)	Full High Definition (FHD)
Display-panel technology		Wide-viewing angle (WVA)	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.)	193.59 mm (7.62 in.)
	Width	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)
	Diagonal	395 mm (15.55 in.)	395 mm (15.55 in.)	395 mm (15.55 in.)
Display-panel native resolution		1920 x 1080	1920 x 1080	1920 x 1080
Luminance (typical)		300 nits	300 nits	220 nits
Megapixels		2.07	2.07	2.07
Color gamut		72% NTSC	72% NTSC	45 % NTSC
Pixels Per Inch (PPI)		141	141	141
Contrast ratio (typ)		29.16	33.33	29.16
Response time (max)		35 ms	19 ms	35 ms
Refresh rate		60 Hz	144 Hz	60 Hz
Horizontal view angle		85 +/- degrees	85 +/- degrees	85 +/- degrees
Vertical view angle		85+/- degrees	85+/- degrees	85+/- degrees
Pixel pitch		0.18 mm	0.18 mm	0.18 mm
Power consumption (maximum)		6.20 W	7.8 W	6.2 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare	Anti-glare
Touch options		No	No	No

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell G5 5505.

Table 19. GPU—Integrated

Controller	External display support	Memory size	Processor
AMD Radeon Graphics	One USB 3.2 Gen 2 Type-C with DisplayPort	Shared system memory	AMD Ryzen 5/7/9

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Dell G5 5505.

Table 20. GPU—Discrete

Controller	External display support	Memory size	Memory type
AMD RX 5600M	One HDMI 2.0 port and one Mini DisplayPort	6 GB	GDDR6

Operating and storage environment

This table lists the operating and storage specifications of your Dell G5 5505.

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

Table 21. 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 (maximum)	-15.2 m to 3048 m (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 ft)

* 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.

Keyboard shortcuts

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press **Shift** and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift + 2**, **@** is typed out.

The keys **F1** to **F12** at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing **F1** mutes the audio (refer to the table below).

However, if the function keys **F1** to **F12** are needed for specific software applications, multi-media functionality can be disabled by pressing **fn + Esc**. Subsequently, multi-media control can be invoked by pressing **fn** and the respective function key. For example, mute audio by pressing **fn + F1**.

NOTE: You can also define the primary behavior of the function keys (**F1** to **F12**) by changing **Function Key Behavior** in the BIOS setup program.

Table 22. List of keyboard shortcuts



























Function key	Redefined key (for multimedia control)	Behavior
 F1	fn +  F1	Mute audio
 F2	fn +  F2	Decrease volume
 F3	fn +  F3	Increase volume
 F4	fn +  F4	Play previous track/chapter
 F5	fn +  F5	Play/Pause
 F6	fn +  F6	Play next track/chapter
 F7	fn +  F7	Enable/disable Game Shift
 F8	fn +  F8	Switch to external display
 F9	fn +  F9	Search

Table 22. List of keyboard shortcuts(continued)

Function key	Redefined key (for multimedia control)	Behavior
	 + 	Toggle keyboard backlight (optional) NOTE: Non-backlight keyboards have the F10 function key without the backlight icon. In this case, the function key does not toggle the keyboard backlight function.
	 + 	Decrease brightness
	 + 	Increase brightness

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 23. List of keyboard shortcuts













Function key	Behavior
 + 	Turn off/on wireless
 + 	Pause/Break
 + 	Sleep
 + 	Toggle scroll lock
 + 	Toggle between power and battery-status light
 + 	System request
 + 	Open application menu
 + 	Toggle fn-key lock
 + 	Page up
 + 	Page down
 + 	Home

Table 23. List of keyboard shortcuts(continued)



Function key	Behavior
<div>fn + end</div>	End

Getting help and contacting Dell

Self-help resources

You can get information and help on Dell products and services using these self-help resources:

Table 24. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type Contact Support , and press Enter.
Online help for operating system	www.dell.com/support/windows
Troubleshooting information, user manuals, set up instructions, product specifications, technical help blogs, drivers, software updates, and so on.	www.dell.com/support
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.
Learn and know the following information about your product: <ul style="list-style-type: none"> • Product specifications • Operating system • Setting up and using your product • Data backup • Troubleshooting and diagnostics • Factory and system restore • BIOS information 	See <i>Me and My Dell</i> at www.dell.com/support/manuals . To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following: <ul style="list-style-type: none"> • Select Detect Product. • Locate your product through the drop-down menu under View Products. • Enter the Service Tag number or Product ID in the search bar.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

NOTE: Availability varies by country/region and product, and some services may not be available in your country/region.

NOTE: If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.