Dell G3 3500

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.**

Contents

Set up your Dell G3 15 3500

ⓘ **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: To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.**

2. Finish operating system setup.

   For Ubuntu:

   Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles SLN151664 and SLN151748 at www.dell.com/support.

   For Windows:

   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
DELL	**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.

Resources	Description

SupportAssist

Pro-actively 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.**

Dell Update

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.
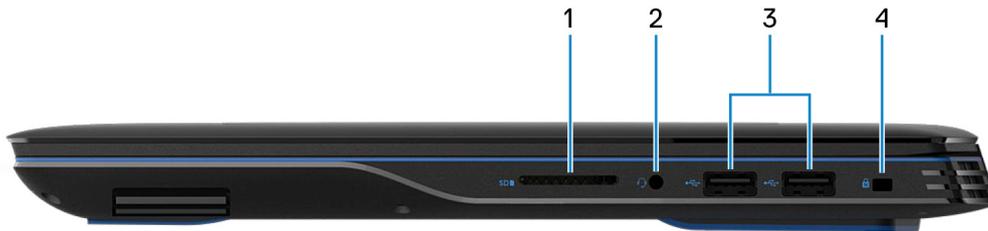
Dell Digital Delivery

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.

Views of Dell G3 15 3500

Right

1. **microSD-card slot**

   Reads from and writes to the microSD-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 3.2 Gen 1 ports (2)**

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

4. **Security-cable slot (wedge-shaped)**

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

Left

Computers shipped with NVIDIA GeForce GTX 1650

1. **Power-adapter port**

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

2. **HDMI port**

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

3. **USB 3.2 Gen 1 port with PowerShare**

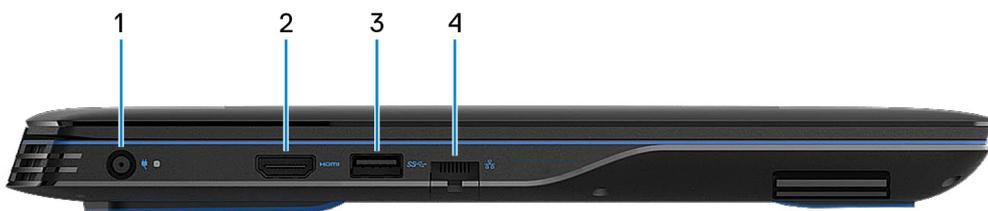   Connect peripherals such as external storage devices and printers.

   Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

   (i) **NOTE: If the charge on your computer's battery is less than 10 percent, you must connect the power adapter to charge your computer, and USB devices connected to the PowerShare port.**

ⓘ **NOTE:** If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.

ⓘ **NOTE:** Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

4. **Network port**

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

Computers shipped with NVIDIA GeForce GTX 1650 Ti

1. **Power-adapter port**

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

2. **HDMI port**

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

3. **USB 3.2 Gen 1 port with PowerShare**

Connect peripherals such as external storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

ⓘ **NOTE:** If the charge on your computer's battery is less than 10 percent, you must connect the power adapter to charge your computer, and USB devices connected to the PowerShare port.
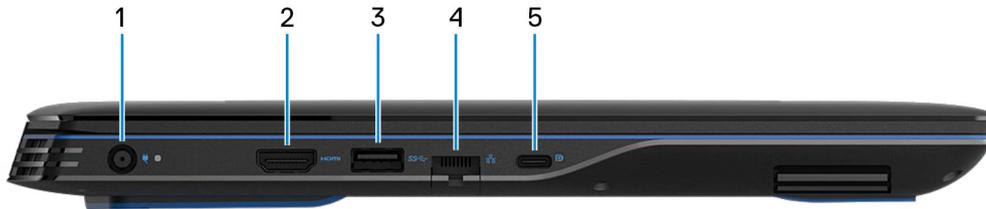
ⓘ **NOTE:** If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.

ⓘ **NOTE:** Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

4. **Network port**

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

5. **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.

Computers shipped with NVIDIA GeForce GTX 1660Ti and above

1. **Power-adapter port**

Connect a power adapter 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 with PowerShare**

   Connect peripherals such as external storage devices and printers.

   Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

   (i) **NOTE: If the charge on your computer's battery is less than 10 percent, you must connect the power adapter to charge your computer, and USB devices connected to the PowerShare port.**

   (i) **NOTE: If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.**

   (i) **NOTE: Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.**

5. **Network port**

   Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.
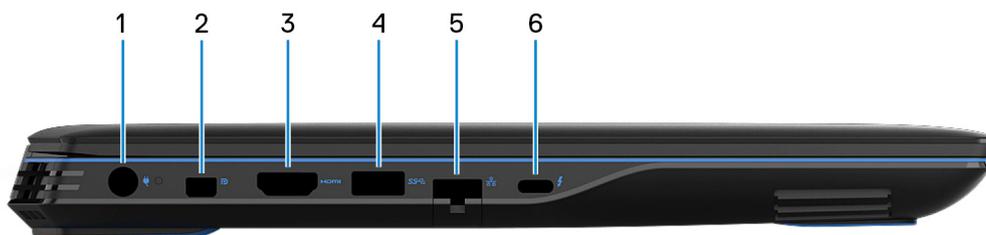
6. **Thunderbolt 3 (USB Type-C) port**

   Supports USB 3.1 Gen 2, DisplayPort 1.4, Thunderbolt 3 and also enables you to connect to an external display using a display adapter.

   Provides data transfer rates up to 10 Gbps for USB 3.1 Gen 2 and up to 40 Gbps for Thunderbolt 3.

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

Base

1. **Touchpad**

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

2. **Left-click area**

   Press to left-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 G3 15 3500

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell G3 15 3500.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	21.60 mm (0.85 in.)
Peak height	• 28.18 mm (1.11 in.): Computers shipped with NIVIDIA GeForce GTX 1650 and 1650 Ti • 30.96 mm (1.22 in.): Computers shipped with NIVIDIA GeForce GTX 1660 Ti and above ⓘ **NOTE: Peak height values include the height of the computer and footers on the base cover.**
Rear height	• 23.31 mm (0.92 in.): Computers shipped with NIVIDIA GeForce GTX 1650 and 1650 Ti • 26.57 mm (1.05 in.): Computers shipped with NIVIDIA GeForce GTX 1660 Ti and above
Width	364.46 mm (14.35 in.)
Depth	254 mm (10.00 in.)
Weight (maximum)	• 2.56 kg (5.64 lb): Computers shipped with NIVIDIA GeForce GTX 1650 and 1650 Ti • 2.58 kg (5.69 lb): Computers shipped with NIVIDIA GeForce GTX 1660 Ti and above ⓘ **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 G3 15 3500.

Table 3. Processor

Description	Option one	Option two
Processor type	10th Generation Intel Core i5-10300H	10th Generation Intel Core i7-10750H
Processor wattage	45 W	45 W
Processor core count	4	6
Processor thread count	8	12
Processor speed	Up to 4.5 GHz	Up to 5 GHz
Processor cache	8 MB	12 MB

Description	Option one	Option two
Integrated graphics	Intel UHD Graphics 630	Intel UHD Graphics 630

Chipset

The following table lists the details of the chipset supported by your Dell G3 15 3500.

Table 4. Chipset

Description	Values
Chipset	HM470
Processor	10th Generation Intel Core i5/i7
DRAM bus width	128-bit
Flash EPROM	16 MB
PCIe bus	Up to Gen3

Operating system

Your Dell G3 15 3500 supports the following operating systems:

- Windows 10 Home, 64-bit
- Windows 10 Professional, 64-bit
- Ubuntu 18.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Dell G3 15 3500.

Table 5. Memory specifications

Description	Values
Memory slots	Two SoDIMM slots
Memory type	Dual-channel DDR4
Memory speed	2933 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	4 GB
Memory size per slot	4 GB, 8 GB
Memory configurations supported	8 GB, 1 x 8 GB, DDR4, 2933 MHz, SODIMM, ECC 8 GB, 2 x 4 GB, DDR4, 2933 MHz, SODIMM, ECC, dual-channel 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 2933 MHz, SODIMM, ECC 16 GB, 2 x 8 GB, DDR4, 2933 MHz, SODIMM, ECC, dual-channel

External ports

The following table lists the external ports of your Dell G3 15 3500.

Table 6. External ports

Description	Values
Network port	One RJ45 port
USB ports	• One USB 3.2 Gen 1 port with PowerShare • Two USB 2.0 ports • One USB 3.2 Gen 2 (Type-C) port with DisplayPort (for computers shipped with NIVIDIA GeForce GTX 1650 Ti) • One Thunderbolt 3 port (for computers shipped with NIVIDIA GeForce GTX 1660 Ti and above)
Audio port	One headset (headphone and microphone combo) port
Video port	• One HDMI 2.0 port • One Mini DisplayPort 1.4b (for computers shipped with NIVIDIA GeForce GTX 1660 Ti and above)
Media-card reader	One SD-card slot
Docking port	Not supported
Power-adapter port	One 7.4 mm x 5.1 mm power-adapter port
Security	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Dell G3 15 3500.

Table 7. Internal slots

Description	Values
M.2	• One M.2 2230 slot for WiFi and Bluetooth combo card • Two M.2 2230/2280 slots for solid-state drive/Intel Optane ⓘ **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.**

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Dell G3 15 3500.

Table 8. Ethernet specifications

Description	Values
Model number	• Realtek GB LAN (for computers shipped with NIVIDIA GeForce GTX 1650 and 1650 Ti) • Killer E2500 PCI-e Gigabit ethernet controller (for computers shipped with NIVIDIA GeForce GTX 1660 Ti and above)
Transfer rate	• 10/100/1000 Mbps (for computers shipped with NIVIDIA GeForce GTX 1650 and 1650 Ti)

Description	Values
	• 10/100/1000/2500 Mbps (for computers shipped with NIVIDIA GeForce GTX 1660 Ti and above)

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Dell G3 15 3500.

Table 9. Wireless module specifications

Description	Option one	Option two	Option Three	Option Four
Model number	Intel 9462	Qualcomm QCA9377 (DW 1820)	Intel AX201	Killer 1650i
Transfer rate	Up to 433 Mbps	Up to 433 Mbps	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	• WiFi 802.11b/g/a • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) •	• WiFi 802.11b/g/a • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)	• WiFi 802.11b/g/a • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)	• WiFi 802.11b/g/a • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5	Bluetooth 4.2	Bluetooth 5	Bluetooth 5

Audio

The following table lists the audio specifications of your Dell G3 15 3500.

Table 10. Audio specifications

Description	Values
Audio controller	Realtek ALC3254 with Nahimic 3D Audio for Gamers
Stereo conversion	Supported
Internal audio interface	Intel High-Definition Audio (HDA) via HDMI
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

Description	Values
Subwoofer output	Not supported
Microphone	Dual-array microphones

Storage

This section lists the storage options on your Dell G3 15 3500.

Your Dell G3 15 3500 supports one of the following storage configurations:

- One M.2 2230/2280 solid-state drive
- One 2.5-inch hard drive and one Intel Optane
- One 2.5-inch hard drive and one M.2 2230/2280 solid-state drive
- One M.2 2230 solid-state drive and one M.2 2280 solid-state drive

The primary drive of your Dell G3 15 3500 varies with the storage configuration. For computers:

- with an M.2 drive, the M.2 drive is the primary drive
- without an M.2 drive, the 2.5-inch drive is the primary drive

Table 11. Storage specifications

Storage type	Interface type	Capacity
2.5-inch hard drive	SATA AHCI, up to 6 Gbps	Up to 2 TB
M.2 2230/2280 solid-state drive	PCIe Gen3 x4 NVMe	Up to 1 TB
M.2 2280 Intel Optane storage	PCIe Gen3 x4 NVMe	Up to 512 GB

Intel Optane Memory H10 with solid-state storage (optional)

Intel Optane Memory technology utilizes 3D XPoint memory technology and functions as a non-volatile storage cache/accelerator and/or storage device depending on the Intel Optane Memory installed in your computer.

Intel Optane Memory H10 with solid-state storage functions as both a non-volatile storage cache/accelerator (enabling enhanced read/write speeds for hard-drive storage) and a solid-state storage solution. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 12. Intel Optane Memory H10 with solid-state storage specifications

Description	Values
Interface	PCIe 3 x4 NVMe
	• One PCIe 3 x4 for Optane memory
	• One PCIe 3 x2 for solid-state storage
Connector	M.2
Form factor	2230/2280
Capacity (Intel Optane memory)	Up to 32 GB
Capacity (solid-state storage)	Up to 512 GB

(i) **NOTE: Intel Optane Memory H10 with solid-state storage is supported on computers that meet the following requirements:**

- **9th Generation or higher Intel Core i3/i5/i7 processors**
- **Windows 10 64-bit version or higher (Anniversary Update)**

- **Intel Rapid Storage Technology driver version 15.9.1.1018 or higher**

Media-card reader

The following table lists the media cards supported by your Dell G3 15 3500.

Table 13. Media-card reader specifications

Description	Values
Media-card type	One SD card
Media-cards supported	• 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 G3 15 3500.

Table 14. Keyboard specifications

Description	Values
Keyboard type	• Standard keyboard • Backlit keyboard • Four-zone RGB backlit keyboard
Keyboard layout	QWERTY
Number of keys	• United States and Canada: 101 keys • United Kingdom: 102 keys • Japan: 105 keys
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	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. ⓘ **NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.** For more information, see keyboard shortcuts. Keyboard shortcuts

Camera

The following table lists the camera specifications of your Dell G3 15 3500.

Table 15. Camera specifications

Description	Values
Number of cameras	One

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 G3 15 3500.

Table 16. Touchpad specifications

Description	Values
Touchpad resolution:	
Horizontal	1229
Vertical	749
Touchpad dimensions:	
Horizontal	105 mm (4.13 in.)
Vertical	80 mm (3.15 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 G3 15 3500.

Table 17. Power adapter specifications

Description	Option one	Option two
Type	130 W	240 W
Connector dimensions:		
External diameter	7.40 mm	7.40 mm
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)	1.80 A	3.50 A
Output current (continuous)	6.70 A	12.31 A
Rated output voltage	19.50 VDC	19.50 VDC

Description	Option one	Option two
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)

Battery

The following table lists the battery specifications of your Dell G3 15 3500.

Table 18. Battery specifications

Description	Option one	Option two
Battery type	3-cell (51 WHr) "smart" lithium-ion	4-cell (68 WHr) "smart" lithium-ion
Battery voltage	11.40 VDC	11.40 VDC
Battery weight (maximum)	0.23 kg (0.51 lb)	0.23 kg (0.51 lb)
Battery dimensions:		
Height	241.25 mm (9.50 in.)	241.25 mm (9.50 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 (-40°F to 149°F)	-40°C to 65°C (-40°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, *Me and My Dell* 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, *Me and My Dell* 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 G3 15 3500.

Table 19. 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)

Description	Option one	Option two	Option three
Display-panel dimensions (active area):			
Height	139.59 mm (5.50 in.)	139.59 mm (5.50 in.)	139.59 mm (5.50 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)	220 nits	300 nits	300 nits
Megapixels	2.07	2.07	2.07
Color gamut	45% NTSC	72% NTSC	72% NTSC
Pixels Per Inch (PPI)	141	141	141
Contrast ratio (typ)	800 : 1	700 : 1	800 : 1
Response time (max)	35 ms	35 ms	19 ms
Refresh rate	60 Hz	60 Hz	144 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)	4.20 W	6.2 W	7.8 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare
Touch options	No	No	No

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Dell G3 15 3500.

Table 20. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell G3 15 3500.

Table 21. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics 630	One HDMI 2.0 port	Shared system memory	10th Generation Intel Core i5/i7

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Dell G3 15 3500.

Table 22. GPU—Discrete

Controller	External display support	Memory size	Memory type
NVIDIA GeForce GTX 1650	One HDMI 2.0 port	4 GB	GDDR6
NVIDIA GeForce GTX 1650 Ti	One HDMI 2.0 port and one USB 3.2 Gen 2 (Type-C) port with DisplayPort	4 GB	GDDR6
NVIDIA GeForce GTX 1660 Ti	One HDMI 2.0 port, one Mini DisplayPort, and one Thunderbolt 3 port	6 GB	GDDR6
NVIDIA GeForce RTX 2060	One HDMI 2.0 port, one Mini DisplayPort, and one Thunderbolt 3 port	6 GB	GDDR6

Operating and storage environment

This table lists the operating and storage specifications of your Dell G3 15 3500.

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

Table 23. 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 24. 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
F10	fn + F10	Toggle keyboard backlight (optional) ⓘ **NOTE: Non-backlight keyboards have the F10 function key without**

Function key	Redefined key (for multimedia control)	Behavior
		the backlight icon. In this case, the function key does not toggle the keyboard backlight function.
☀ F11	fn + ☀ F11	Decrease brightness
☀ F12	fn + ☀ F12	Increase brightness

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

Table 25. List of keyboard shortcuts

Function key	Behavior
fn + prt sc	Turn off/on wireless
fn + B	Pause/Break
fn + insert	Sleep
fn + S	Toggle scroll lock
fn + H	Toggle between power and battery-status light/hard-drive activity light
fn + R	System request
fn + ctrl	Open application menu
fn + esc	Toggle fn-key lock
fn + pg up	Page up
fn + pg dn	Page down
fn + home	Home
fn + end	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 26. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell	
Tips	
Contact Support	In Windows search, type `Contact Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows www.dell.com/support/linux
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	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: • Product specifications • Operating system • Setting up and using your product • Data backup • Troubleshooting and diagnostics • Factory and system restore • BIOS information	See *Me and My Dell* at www.dell.com/support/manuals. To locate the *Me and My Dell* relevant to your product, identify your product through one of the following: • 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.**