

# Dell G3 17

## 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 G3 3779

**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](http://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**



#### SupportAssist

Proactively checks the health of your computer's hardware and software.

**NOTE:** Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.



#### Dell Update

Updates your computer with critical fixes and important device drivers as they become available.



### Dell Digital Delivery

Download software applications including software that is purchased but not pre-installed on your computer.

- 4 Create recovery drive for Windows.

**NOTE:** It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).

# Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

**NOTE:** This process may take up to an hour to complete.

**NOTE:** The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.  
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.  
The **Recovery Drive** window is displayed.
- 5 Select **Back up system files to the recovery drive** and click **Next**.
- 6 Select the **USB flash drive** and click **Next**.  
A message appears, indicating that all data in the USB flash drive will be deleted.
- 7 Click **Create**.
- 8 Click **Finish**.

For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

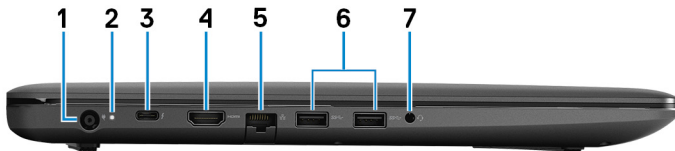
## Dell Visor headset

The Dell Visor headset is a head-mounted device that enables you to experience an immersive Virtual Reality and Windows Mixed Reality when connected to your computer.

**NOTE:** Dell Visor headset is supported on computers shipping with NVIDIA GeForce GTX 1060 with Max-Q Design graphics card. For more information, see *Dell Visor User's Guide* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

# Views of Dell G3 3779

## Left



### 1 Power-adaptor port

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

### 2 Battery-status light/hard-drive activity light

Indicates the battery-charge status or the hard-drive activity.

**NOTE:** Press Fn+H to toggle between the battery-status light and hard-drive activity light.

#### Hard-drive activity light

Turns on when the computer reads from or writes to the hard drive.

**NOTE:** Hard-drive activity light is supported only on computers shipped with hard drive.

#### Battery-status light

Indicates the battery-charge status.

**Solid white:** Power adapter is connected and the battery has more than 5% charge.

**Amber:** Computer is running on battery and the battery has less than 5% charge.

#### Off:

- Power adapter is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 5% charge.
- Computer is in sleep state, hibernation, or turned off.

### 3 Thunderbolt 3 (USB Type-C) port (Optional)

Supports USB 3.1 Gen 2, DisplayPort 1.2, 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.

**NOTE:** Thunderbolt 3 (USB Type-C) support is available only in certain regions.

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

### 4 HDMI port

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



5 **Network port**

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

6 **USB 3.1 Gen 1 ports (2)**

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

7 **Headset port**

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

## Right



1 **SD-card slot**

Reads from and writes to the SD card.

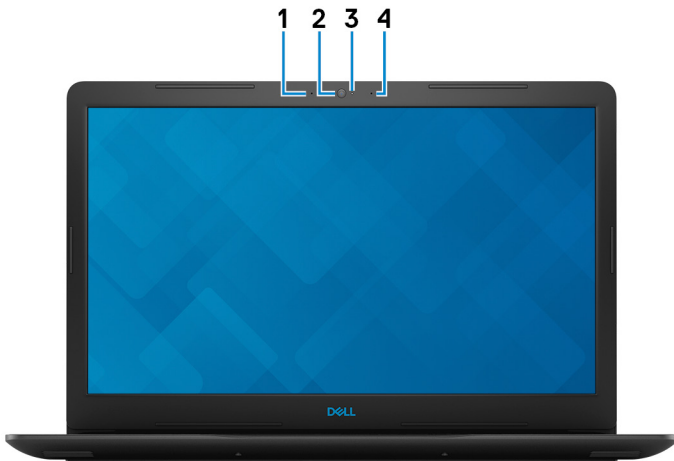
2 **USB 2.0 port**

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

3 **Security-cable slot (for Noble locks)**

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

## 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.

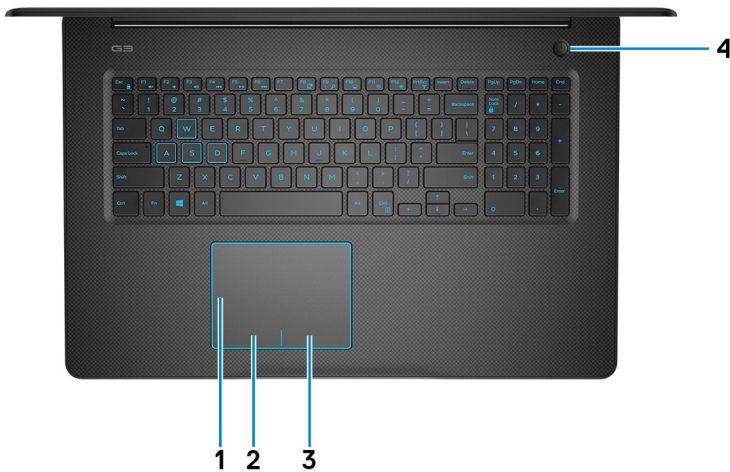
3 **Camera-status light**

Turns on when the camera is in use.

4 **Right microphone**

Provides digital sound input for audio recording and voice calls.

## 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](http://www.dell.com/support/manuals).

# Bottom



1 **Left speaker**

Provides audio output.

2 **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.

3 **Right speaker**

Provides audio output.

# Specifications of Dell G3 3779

## Computer model

Dell G3 3779

## Dimensions and weight

**Table 2. Dimensions and weight**

Height	25 mm (0.98 in.)
Width	415.40 mm (16.35 in.)
Depth	279.20 mm (11 in.)
Weight (approximate)	2.81 kg (6.19 lb)

**NOTE:** The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

## System information

**Table 3. System information**

Processor	8 <sup>th</sup> Generation Intel Core i5/i7
Chipset	Mobile Intel HM370 chipset

## Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu

## Memory

**Table 4. Memory specifications**

Slots	Two SODIMM slots
Type	Dual-channel DDR4

Speed	2666MHz
Configurations supported:	
Per memory module slot	4 GB, 8 GB, and 16 GB
Total memory	4 GB, 8 GB, 12 GB, 16 GB, and 32 GB

## Intel Optane memory (optional)

**NOTE:** Intel Optane memory is supported on computers that meet the following requirements:

- 7<sup>th</sup> Generation or higher Intel Core i3/i5/i7 processor
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9 or higher

**Table 5. Intel Optane memory specifications**

Interface	PCIe 3x2, NVMe 1.1
Connector	M.2 Card slot (2280)
Configurations supported	<ul style="list-style-type: none"> <li>• 16 GB</li> <li>• 32 GB</li> </ul>

**NOTE:** Intel Optane memory functions as a storage accelerator. It does not replace DRAM and will not add to the RAM capacity installed on your computer.

## Ports and connectors

**Table 6. External ports and connectors**

External	
Network	One RJ-45 port
USB	<ul style="list-style-type: none"> <li>• Two USB 3.1 Gen 1 ports</li> <li>• One USB 2.0 port</li> <li>• One Thunderbolt 3 port (optional)</li> </ul>
Audio/Video	<ul style="list-style-type: none"> <li>• One HDMI 2.0a port</li> <li>• One headset port (headphone and microphone combo) port</li> </ul>

**Table 7. Internal ports and connectors**

Internal	
M.2 card	<ul style="list-style-type: none"> <li>• One M.2 slot for the 2230 Wi-Fi and Bluetooth combo card</li> <li>• One M.2 slot for the 2280 solid-state drive (PCIe 3x4 NVMe)</li> </ul>

# Communications

**Table 8. Supported communications**

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"><li>• Wi-Fi 802.11ac</li><li>• Bluetooth 4.1</li><li>• Bluetooth 5.0</li></ul>

## Wireless module

**Table 9. Wireless module specifications**

Transfer rate	Up to 150 Mbps	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz only	Dual band 2.4 GHz/5GHz	Dual band 2.4 GHz/5GHz
Encryption	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• CKIP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• CKIP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• CKIP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>

## Camera

**Table 10. Camera specifications**

Resolution	<ul style="list-style-type: none"><li>• Still image: 1280 x 720 pixels</li><li>• Video: 1280 x 720 at 30 fps</li></ul>
Diagonal-viewing angle	74 degrees

## Video

**Table 11. Video specifications**

	<b>Controller</b>	<b>Memory</b>
Integrated	Not applicable	Not applicable
Discrete	<ul style="list-style-type: none"><li>• NVIDIA GeForce GTX 1060 Max-Q</li><li>• NVIDIA GeForce GTX 1050/1050Ti</li></ul>	<ul style="list-style-type: none"><li>• 6 GB</li><li>• 4 GB</li></ul>

# Audio

**Table 12. Audio specifications**

Controller	Realtek ALC3204 with MaxxAudio Pro
Speakers	Two
Speaker output	
Average	2 W
Peak	2.5 W
Microphone	Dual-array microphones

# Storage

**Table 13. Storage specifications**

Type	Interface	Capacity
One 2.5-inch Hard Disk Drive (HDD)	SATA, up to 6 Gbps	Up to 2 TB
One 2.5-inch Solid-State Hybrid Drive (SSHD)	SATA, up to 6 Gbps	Up to 1 TB
One M.2 2280 solid-state drive (SSD)	PCIe 3x4 NVMe, up to 32 Gbps	Up to 512 GB

# Media-card reader

**Table 14. Media-card reader specifications**

Type	One SD-card slot
Cards supported	<ul style="list-style-type: none"><li>Secure Digital (SD) card</li><li>Multimedia Card (MMC)</li></ul>

# Keyboard

**Table 15. Keyboard specifications**

Type	<ul style="list-style-type: none"><li>Standard keyboard</li><li>Backlit keyboard (optional)</li></ul>
Shortcut keys	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:** Press Fn+Esc to switch the primary behavior of the function keys (F1–F12) between two modes – multimedia key mode and function key mode.
- NOTE:** You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.

Keyboard shortcuts

# Touchpad

**Table 16. Touchpad**

Resolution:		
Horizontal		1229
Vertical		929
Dimensions:		
Width		105 mm (4.13 in.)
Height		80 mm (3.15 in.)

# Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article [4027871](https://support.microsoft.com/4027871) at [support.microsoft.com](https://support.microsoft.com).

# Power adapter

**Table 17. Power adapter specifications**

Type	130 W (For computers shipped with NVIDIA 1050 graphics card)	180 W (For computers shipped with NVIDIA 1060 graphics card)
Diameter (connector)	7.4 mm	7.4 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/2.34 A/2.50 A	1.80 A/2.34 A/2.50 A
Output current (continuous)	6.70 A/9.23 A	6.70 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)	



## Battery

**Table 18. Battery specifications**

Type	4-cell "smart" lithium-ion (56 WHr)
Voltage	11.40 VDC
Weight (maximum)	0.2 kg (0.44 lb)
Dimensions:	
Height	5.90 mm (0.23 in.)
Width	233.06 mm (9.18 in.)
Depth	90.73 mm (3.57 in.)
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	-40°C to 65°C (-40°F to 149°F)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Charging time (approximate)	4 hours (when the computer is off)
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	CR-2032
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

## Display

**Table 19. Display specifications**

Type	17.3-inch FHD non-touchscreen panel
Resolution (maximum)	1920x1080
Panel Technology	In-Plane Switching (IPS)
Color gamut	NTSC 72%
Brightness	300 nits (typical)/255 nits (minimum)
Gsync/Freesync support	No
Viewing angle	80/80/80/80
Pixel pitch	0.1989 mm

Dimensions:

Height	381.89 mm (15.03 in.)
Width	214.81 mm (8.46 in.)
Diagonal	438.16 mm (17.25 in.)

Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Controls	Brightness can be controlled using shortcut keys

## Computer environment

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

**Table 20. Computer environment**

	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)	140 G†	160 G‡
Altitude (maximum)	0 m to 3048 m (0 ft to 10,000 ft)	0 m to 10,668 m (0 ft to 35,000 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.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

# 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-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-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–F12) by changing Function Key Behavior in BIOS setup program.

**Table 21. List of keyboard shortcuts**

Function key	Re-defined key (for multi-media control)	Behavior
		Mute audio
		Decrease volume
		Increase volume
		Play previous track/chapter
		Play/Pause
		Play next track/chapter
		Switch to external display
		Search
		Toggle keyboard backlight (optional)
		Decrease brightness
		Increase brightness

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

## Function key



## Behavior

Turn off/on wireless

Toggle Fn-key lock

Toggle scroll lock

Pause/Break

Sleep

System request

Open application menu

Toggle between power and battery-status light/hard-drive activity light



**NOTE: Hard-drive activity light is supported only on computers shipped with a hard drive.**

# 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 22. Self-help resources**

Information about Dell products and services

[www.dell.com](http://www.dell.com)

Tips



Contact Support

In Windows search, type `Contact Support`, and press Enter.

Online help for operating system

[www.dell.com/support/windows](http://www.dell.com/support/windows)

[www.dell.com/support/linux](http://www.dell.com/support/linux)

Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.

[www.dell.com/support](http://www.dell.com/support)

Dell knowledge base articles for a variety of computer concerns.

- 1 Go to [www.dell.com/support](http://www.dell.com/support).
- 2 Type the subject or keyword in the **Search** box.
- 3 Click **Search** to retrieve the related articles.

Learn and know the following information about your product:

See *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

- Product specifications
- Operating system
- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics
- Factory and system restore
- BIOS information

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](http://www.dell.com/contactdell).

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

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