Inspiron 5584

Setup and Specifications

DELLEMC

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 Inspiron 5584

ⓘ **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
	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 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.**

Resources	Description
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.

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.

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

(i) **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.

Views of Inspiron 5584

Front

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.

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 (wedge-shaped)**

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

Left
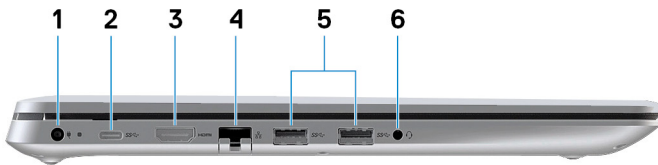
1. **Power-adapter port**

   Connect a power adapter to provide power to your computer.
2. **USB 3.1 Gen 1 (Type-C) port (optional)**

   Connect to external storage devices. Provides data transfer speeds up to 5 Gbps.

   ⓘ **NOTE: This port does not support video/audio streaming.**

   ⓘ **NOTE: This port is only present on computers ordered with a discrete graphics configuration.**
3. **HDMI port**

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

   Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.
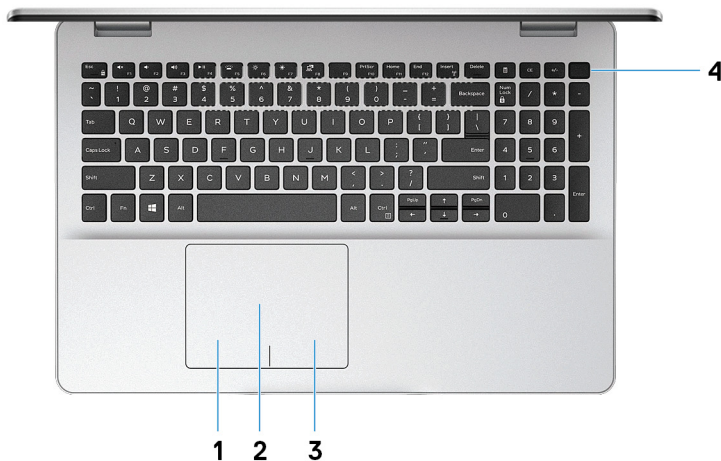5. **USB 3.1 Gen 1 ports (2)**

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

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

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.

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

Bottom
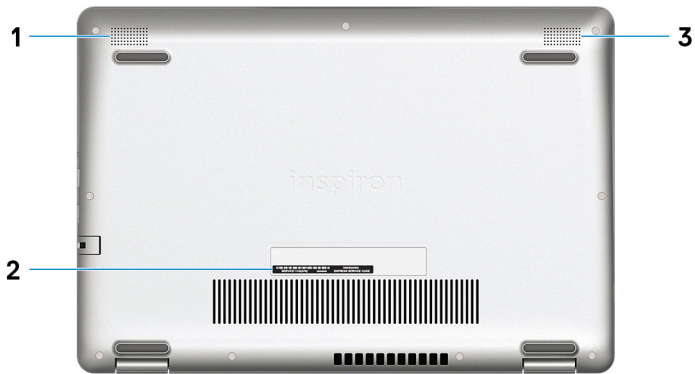
1. **Left speaker**

   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 Inspiron 5584

Dimensions and weight

Table 2. Dimensions and weight

Description	Values
Height:	
Front	18 mm (0.71 in.)
Rear	22.45 mm (0.88 in.)
Width	365 mm (14.3 in.)
Depth	249 mm (9.8 in.)
Weight (maximum)	2.05 kg (4.52 lb)
	(i) **NOTE: The weight of your computer depends on the configuration ordered and the manufacturing variability.**

Processors

Table 3. Processors

Description	Values		
Processors	8th Generation Intel Core i3	8th Generation Intel Core i5	8th Generation Intel Core i7
Wattage	15 W	15 W	15 W
Core count	2	4	4
Thread count	4	8	8
Speed	Up to 3.9 GHz	Up to 3.9 GHz	Up to 4.6 GHz
Cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics 620	Intel UHD Graphics 620	Intel UHD Graphics 620

Chipset

Table 4. Chipset

Description	Values
Chipset	Intel PCH-LP
Processor	8th Generation Intel Core i3/i5/i7
DRAM bus width	64-bit

Description	Values
Flash EPROM	16 MB
PCIe bus	Up to Gen3

Operating system

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

Memory

Table 5. Memory specifications

Description	Values
Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	Up to 2400 MHz
Maximum memory	16 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, 16 GB
Configurations supported	4 GB DDR4 at 2400 MHz (1 x 4 GB) 8 GB DDR4 at 2400 MHz (1 x 8 GB) 12 GB DDR4 at 2400 MHz (1 x 8 GB + 1 x 4 GB) 16 GB DDR4 at 2400 MHz (2 x 8 GB) 16 GB DDR4 at 2400 MHz (1 x 16 GB)

Ports and connectors

Table 6. External ports and connectors

Description	Values
External:	
Network	One RJ-45 port
USB	- Two USB 3.1 Gen 1 ports - One USB 2.0 port - One USB 3.1 Gen 1 (Type-C) port ⓘ **NOTE: The USB 3.1 Gen 1 (Type-C) port is optional and will only be present on computers ordered with a discrete graphics configuration.**
Audio	One headset (headphone and microphone combo) port
Video	One HDMI 1.4b port
Media card reader	One SD-card slot

Description	Values
Docking port	Not supported
Power adapter port	One 4.5 mm x 2.9 mm DC in
Security	One security-cable slot (wedge-shaped)

Table 7. Internal ports and connectors

Description	Values
Internal:	
M.2	• One M.2 2230 slot for Wi-Fi and Bluetooth combo card • One M.2 slot for 2230/2280 solid-state drive or 2280 Intel Optane (i) **NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.**

Communications

Ethernet

Table 8. Ethernet specifications

Description	Values
Model number	Realtek RTL8107E Ethernet controller
Transfer rate	10/100 Mbps

Wireless module

Table 9. Wireless module specifications

Description	Values				
Model number	Qualcomm QCA9565 (DW1707)	Qualcomm QCA9377 (DW1810)	Qualcomm QCA61x4A (DW1820)	Intel 9462	Intel 9560
Transfer rate	Up to 150 Mbps	Up to 433 Mbps	Up to 867 Mbps	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	Dual band 2.4 GHz	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz
Wireless standards	WiFi 802.11b/g/n	WiFi 802.11a/b/g /n/ac	WiFi 802.11a/b/g /n/ac	WiFi 802.11a/b/g /n/ac	WiFi 802.11a/b/g /n/ac
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	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 4.0	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 5.0

Audio

Table 10. Audio specifications

Description	Values
Controller	Realtek ALC3204-CG
Stereo conversion	Supported
Internal interface	High-definition audio
External interface	Headset combo jack (stereo headphones/microphone-in)
Speakers	Two
Internal speaker amplifier	Supported
External volume controls	Keyboard shortcuts
Speaker output:	
Average	2 W
Peak	2.5 W
Subwoofer output	Not supported
Microphone	Digital-array microphones in camera assembly

Storage

Table 11. Storage specifications

Storage type	Interface type	Capacity
One 2.5-inch hard drive	SATA AHCI, up to 6 Gbps	Up to 2 TB
One M.2 2230/2280 solid-state drive	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 512 GB

Intel Optane memory (optional)

Intel Optane memory functions only as a storage accelerator. It neither replaces nor adds to the memory (RAM) installed on your computer.

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

- **7th Generation or higher Intel Core i3/i5/i7 processor**
- **Windows 10 64-bit version or higher (Anniversary Update)**
- **Latest version of Intel Rapid Storage Technology driver**

Table 12. Intel Optane memory

Description	Values
Type	Storage accelerator
Interface	PCIe Gen3.0x2, NVMe
Connector	M.2 2280

Description	Values
Configurations supported	16 GB, 32 GB
Capacity	Up to 32 GB

Media-card reader

Table 13. Media-card reader specifications

Description	Values
Type	One SD-card slot
Cards supported	• Secure Digital (SD) • Secure Digital High Capacity(SDHC) • Secure Digital Extended Capacity(SDXC)

Keyboard

Table 14. Keyboard specifications

Description	Values
Type	Backlit keyboard
Layout	QWERTY
Number of keys	• United States and Canada: 101 keys • United Kingdom: 102 keys • Japan: 105 keys
Size	X = 18.70 mm key pitch Y = 18.05 mm key pitch
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. (i) **NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.** Keyboard shortcuts

Camera

Table 15. Camera specifications

Description	Values
Number of cameras	One
Type	HD RGB camera
Location	Front (above the LCD screen)
Sensor type	CMOS sensor technology

Description	Values
Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle	78.6 degrees

Touchpad

Table 16. Touchpad specifications

Description	Values
Resolution:	
Horizontal	3215
Vertical	2429
Dimensions:	
Horizontal	105.00 mm (4.13 in.)
Vertical	80.00 mm (3.15 in.)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

Table 17. Power adapter specifications

Description	Values	
Type	E4 45 W	E4 65 W
Diameter (connector)	4.5 mm x 2.9 mm	4.5 mm x 2.9 mm
Input voltage	100 VAC–240 VAC	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)	1.30 A	1.6 A/1.70 A
Output current (continuous)	2.31 A	3.34 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)

Battery

Table 18. Battery specifications

Description	Values
Type	3-cell "smart" lithium-ion (42 WHr)
Voltage	11.4 VDC
Weight (maximum)	0.20 kg (0.44 lb)
Dimensions:	
Height	5.90 mm (0.23 in.)
Width	90.73 mm (3.57 in.)
Depth	184.15 mm (7.25 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) ⓘ **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 https://www.dell.com/**
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

Description	Values	
Type	High Definition (HD)	Full High Definition (FHD)
Panel technology	Twisted Nematic (TN)	Twisted Nematic (TN)
Luminance (typical)	220 nits	220 nits
Dimensions (Active area):		
Height	193.6 mm (8.46 in.)	193.6 mm (8.46 in.)
Width	344.2 mm (15.04 in.)	344.2 mm (15.04 in.)
Diagonal	438.38 mm (15.6 in.)	438.16 mm (15.6 in.)
Native resolution	1366 x 768	1920 x 1080

Description	Values	
Megapixels	1	2
Pixels per inch (PPI)	100	141
Contrast ratio (min)	500:1	500:1
Response time (max)	25 ms	25 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	• Left: 40 degrees • Right: 40 degrees	• Left: 40 degrees • Right: 40 degrees
Vertical view angle	• Left: 10 degrees • Right: 30 degrees	• Left: 10 degrees • Right: 30 degrees
Pixel pitch	0.252 mm	0.179 mm
Power consumption (maximum)	4.0 W	3.7 W
Anti-glare vs glossy finish	Anti-glare	• Touchscreen: TrueLife (Glossy) • Non-touchscreen: Anti-glare
Touch options	Not supported	Supported

Fingerprint reader (optional)

Table 20. Fingerprint reader specifications

Description	Values
Sensor technology	Capacitive
Sensor resolution	500 PPI
Sensor area	4.06 mm x 3.25 mm (0.16 in. x 0.13 in.)
Sensor pixel size	64 pixels x 80 pixels

Video

Table 21. Discrete graphics specifications

Discrete graphics

Controller	External display support	Memory size	Memory type
NVIDIA GeForce MX130	One HDMI 1.4b port	2 GB/4 GB	GDDR5

Table 22. Integrated graphics specifications

Integrated graphics

Controller	External display support	Memory size	Processor
Intel UHD Graphics 620	One HDMI 1.4b port	Shared system memory	8th Generation Intel Core i3/i5/i7

Computer environment

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 (−50 ft to 10,000 ft)	−15.2 m to 10,668 m (−50 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.

Keyboard shortcuts

> (i) **NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.**
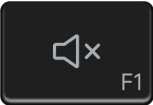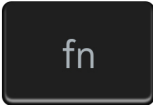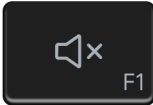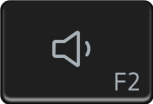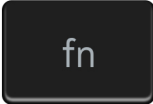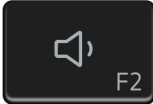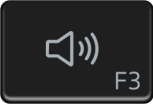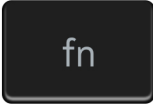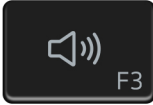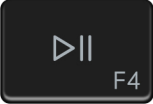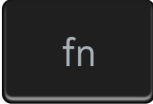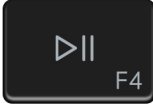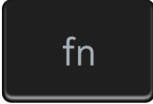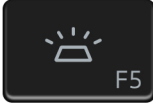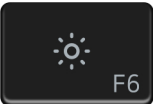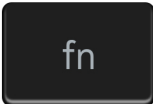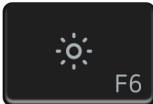
Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown 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.
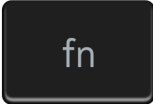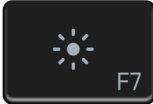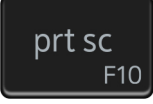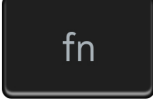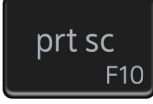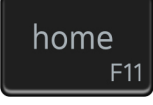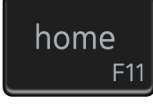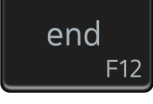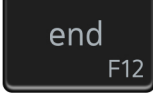
The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

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**.

> (i) **NOTE: You can also define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.**
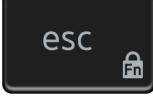
Table 24. List of keyboard shortcuts

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/Pause
⌨ F5	fn + ⌨ F5	Toggle keyboard backlight (optional) (i) **NOTE: Non-backlight keyboards have F5 function key without the backlight icon and does not support toggle keyboard backlight function.**
☀ F6	fn + ☀ F6	Decrease brightness

Function key	Redefined key (for multimedia control)		Behavior
☀ F7	fn	+	☀ F7	Increase brightness
F8	fn	+	F8	Switch to external display
prt sc F10	fn	+	prt sc F10	Print screen
home F11	fn	+	home F11	Home
end F12	fn	+	end F12	End

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 + B	Pause/Break
fn + S	Toggle scroll lock
fn + R	System request
fn + ctrl	Open application menu
fn + esc	Toggle Fn-key lock

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, setup 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. 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: • 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 on your purchase invoice, packing slip, bill, or Dell product catalog.**