

Inspiron 5593

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 Inspiron 5593

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 in Windows 10 Home in S Mode









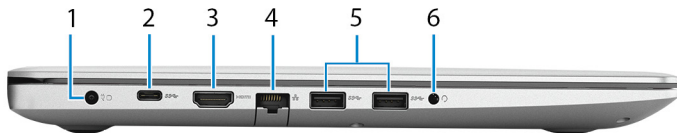
Resources	Description
	<p>Dell Product Registration</p> <p>Register your computer with Dell.</p>
	<p>Dell Help & Support</p> <p>Access help and support for your computer.</p>
	<p>SupportAssist</p> <p>Proactively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at www.dell.com/support.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Table 2. Locate Dell apps in Windows 10 Home

Resources	Description
	<p>My Dell</p> <p>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.</p>
	<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>
	<p>SupportAssist</p> <p>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.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Views of Inspiron 5593

Left



1. Power-adaptor 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.

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).

Right



1. SD-card slot

Reads from and writes to the SD card, supporting the following card types:

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

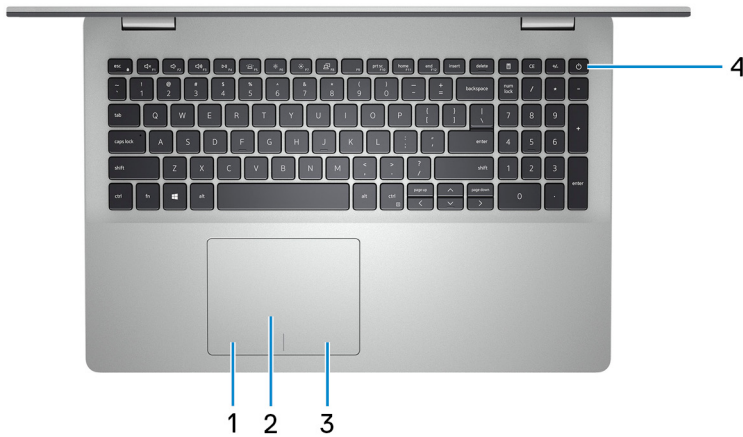
2. USB 2.0 port

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.

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. Camera

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

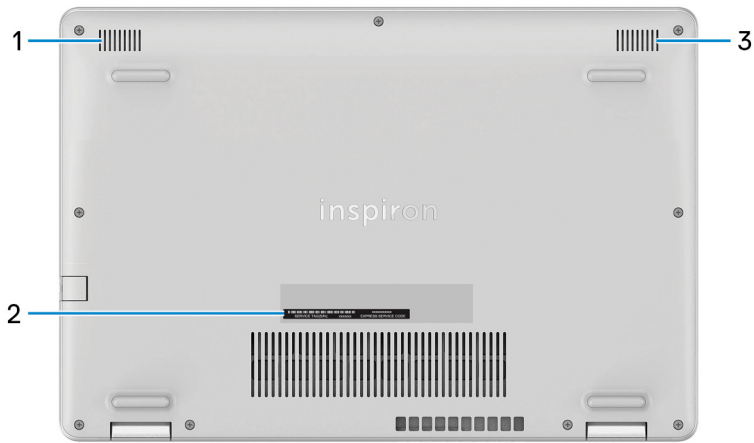
2. Camera-status light

Turns on when the camera is in use.

3. **Microphone**

Provides digital sound input for audio recording, voice calls, and so on.

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 5593

Dimensions and weight

Table 3. Dimensions and weight

Description	Values
Height:	
Front	18 mm (0.71 in.)
Rear	19.90 mm (0.78 in.)
Width	363.96 mm (14.33 in.)
Depth	249 mm (9.80 in.)
Weight (maximum)	2.05 kg (4.52 lb)

NOTE: The weight of your computer depends on the configuration ordered and the manufacturing variability.

Processors

Table 4. Processors

Description	Values		
Processors	10 th Generation Intel Core i3-1005G1	10 th Generation Intel Core i5-1035G1	10 th Generation Intel Core i7-1065G7
Wattage	15 W	15 W	15 W
Core count	2	4	4
Thread count	4	8	8
Speed	3.4 GHz	3.6 GHz	3.8 GHz
Cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel Iris Plus Graphics

Chipset

Table 5. Chipset

Description	Values		
Processors	10 th Generation Intel Core i3-1005G1	10 th Generation Intel Core i5-1035G1	10 th Generation Intel Core i7-1065G7

Description	Values		
Chipset	Integrated in the processor	Integrated in the processor	Integrated in the processor
DRAM bus width	64-bit	64-bit	64-bit
Flash EPROM	16 MB + 8 MB	16 MB + 8 MB	16 MB + 8 MB
PCIe bus	Up to Gen 3.0	Up to Gen 3.0	Up to Gen 3.0

Operating system

- Windows 10 Home (64-bit)
- Windows 10 Home in S Mode (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu

Memory

Table 6. Memory specifications

Description	Values
Slots	Two SODIMM slot
Type	Dual-channel DDR4
Speed	2666/3200 MHz
Maximum memory	16 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, or 16 GB
Configurations supported	<ul style="list-style-type: none"> • 4 GB DDR4 at 2666/3200 MHz (1 x 4 GB) • 8 GB DDR4 at 2666/3200 MHz (2 x 4 GB) • 8 GB DDR4 at 2666/3200 MHz (1 x 8 GB) • 12 GB DDR4 at 2666/3200 MHz (1 x 4 GB + 1 x 8 GB) • 16 GB DDR4 at 2666/3200 MHz (2 x 8 GB) • 16 GB DDR4 at 2666/3200 MHz (1 x 16 GB)

Intel Optane memory (optional)

Intel Optane 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.

Your computer supports the following Intel Optane Memory devices:

- Intel Optane Memory M10
- Intel Optane Memory M15

Intel Optane Memory M10

Intel Optane Memory M10 functions only as a non-volatile storage cache/accelerator, enabling enhanced read/write speeds for hard-drive storage. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 7. Intel Optane Memory M10 specifications

Description	Values
Interface	PCIe Gen 3.0x2 NVMe
Connector	M.2
Form factor	2280
Capacity	16 GB or 32 GB

NOTE: Intel Optane Memory M10 is supported on computers that meet the following requirements:

- 7th Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.7 or higher

Intel Optane Memory M15

Intel Optane Memory M15 functions only as a non-volatile storage cache/accelerator, enabling enhanced read/write speeds for hard-drive storage. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 8. Intel Optane Memory M15 specifications

Description	Values
Interface	PCIe Gen 3.0x4 NVMe
Connector	M.2
Form factor	2280
Capacity	16 GB or 32 GB

NOTE: Intel Optane Memory M15 is supported on computers that meet the following requirements:

- 7th Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 17 or higher

Ports and connectors

Table 9. External ports and connectors

Description	Values
External:	
Network	One RJ45 port
USB	<ul style="list-style-type: none"> • Two USB 3.1 Gen 1 ports • One USB 2.0 port • One USB 3.1 Gen 1 Type-C port (optional)
Audio	One headset (headphone and microphone combo) port
Video	One HDMI 1.4b port
Media card reader	One SD-card slot
Docking port	Not supported
Power adapter port	One 4.5 mm x 2.9 mm (DC-in)

Description	Values
Security	One security-cable slot (wedge-shaped)

Table 10. Internal ports and connectors

Description	Values
Internal:	
M.2	<ul style="list-style-type: none"> One M.2 slot for Wi-Fi and Bluetooth combo card One M.2 slot for one of the following: <ul style="list-style-type: none"> Solid-state drive (2230/2280) Intel Optane Memory (2280) <p>NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.</p>

Communications

Ethernet

Table 11. Ethernet specifications

Description	Values
Model number	Ethernet controller integrated on the system board
Transfer rate	10/100 Mbps

Wireless module

Table 12. Wireless module specifications

Description	Values				
Model number	Qualcomm QCA9565 (DW1707)	Qualcomm QCA9377 (DW1810)	Qualcomm QCA61x4A (DW1820)	Intel Wireless-AC 9462	Intel Wireless-AC 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	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	<ul style="list-style-type: none"> WiFi 802.11a/b/g 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) 	<ul style="list-style-type: none"> WiFi 802.11a/b/g 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)
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 	<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 	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP
Bluetooth	Bluetooth 4.0	Bluetooth 4.2	Bluetooth 4.2	Bluetooth 5.0	Bluetooth 5.0

Audio

Table 13. Audio specifications

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

Storage

Your computer is shipped with one of the following configurations:



- One M.2 solid-state drive
- One 2.5-inch hard drive
- One M.2 solid-state drive and one 2.5-inch hard drive
-  **NOTE: The solid-state drive is the primary drive.**
- One 2.5-inch hard drive and one Intel Optane Memory M10 or M15
-  **NOTE: The 2.5-inch hard drive is the primary drive.**

Table 14. 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 NVMe Gen3.0 x4, up to 32 Gbps	Up to 1 TB

Media-card reader

Table 15. Media-card reader specifications

Description	Values
Type	One SD-card slot

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

Keyboard

Table 16. Keyboard specifications

Description	Values
Type	<ul style="list-style-type: none"> Standard non-backlit keyboard Backlit keyboard
Layout	QWERTY
Number of keys	<ul style="list-style-type: none"> United States and Canada: 101 keys United Kingdom: 102 keys Japan: 105 keys
Size	<p>X = 18.70 mm key pitch</p> <p>Y = 18.05 mm key pitch</p>
Shortcut keys	<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) by changing Function Key Behavior in BIOS setup program.</p> <p>See Keyboard shortcuts.</p>

Camera

Table 17. Camera specifications

Description	Values
Number of cameras	One
Type	RGB HD camera
Location	Front (above the LCD screen)
Sensor type	CMOS-sensor technology
Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle	78.6 degrees

Touchpad

Table 18. Touchpad specifications

Description	Values
Resolution:	
Horizontal	1230
Vertical	930
Dimensions:	
Horizontal	105 mm (4.13 in.)
Vertical	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.

Power adapter

Table 19. Power adapter specifications

Description	Values
Type	45 W 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 1.60 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

NOTE: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.

Table 20. Battery specifications

Description	Values
Type	3-cell “smart” lithium-ion (42 WHr)

Description	Values
Voltage	11.40 VDC
Weight (maximum)	0.2 kg (0.44 lb)
Dimensions:	
Height	5.90 mm (0.23 in.)
Width	97.15 mm (3.82 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, <i>Me and My Dell</i> on 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 21. 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	194 mm (7.64 in.)	194 mm (7.64 in.)
Width	344 mm (13.54 in.)	344 mm (13.54 in.)
Diagonal	395 mm (15.55 in.)	395 mm (15.55 in.)
Native resolution	1366 x 768 (HD)	1920 x 1080 (FHD)
Megapixels	1.0	2.0
Color gamut	NTSC 45%	NTSC 45%
Pixels per inch (PPI)	100	142

Description	Values	
Contrast ratio (min)	400:1	400:1
Response time (max)	25 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	<ul style="list-style-type: none"> Left: 40 degrees Right: 40 degrees 	<ul style="list-style-type: none"> Left: 40 degrees Right: 40 degrees
Vertical view angle	<ul style="list-style-type: none"> Top: 10 degrees Bottom: 30 degrees 	<ul style="list-style-type: none"> Top: 10 degrees Bottom: 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	Anti-glare
Touch options	Not supported	Not supported

Fingerprint reader (optional)

Table 22. 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	80 pixels x 64 pixels

Video

Table 23. Video specifications

Discrete graphics

Controller	External display support	Memory size	Memory Type
NVIDIA GeForce MX230	Not supported	2 GB	GDDR5

Table 24. Video specifications

Integrated graphics

Controller	External display support	Memory size	Processor
Intel UHD Graphics	One HDMI 1.4b port	Shared-system memory	10 th Generation Intel Core i3/i5
Intel Iris Plus Graphics	One HDMI 1.4b port	Shared-system memory	10 th Generation Intel Core i7

Computer environment

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

Table 25. Computer environment

Description	Operating	Storage
Temperature range	0°C to 40°C (32°F to 104°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 3,048 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.

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 26. 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.

Table 27. List of keyboard shortcuts

Function key	Behavior
	Turn off/on wireless



Function key	Behavior
	Pause/Break
	Sleep
	Toggle scroll lock
	Toggle between power and battery-status light/hard-drive activity light
	System request
	Open application menu
	Toggle Fn-key lock
	Page up
	Page down
	Home
	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 28. 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 <code>Contact Support</code> , 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.	<ol style="list-style-type: none"> 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: <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 	<p>See <i>Me and My Dell</i> at www.dell.com/support/manuals.</p> <p>To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following:</p> <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 on your purchase invoice, packing slip, bill, or Dell product catalog.**