

# Inspiron 5591 2n1

## 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 5591 2n1

**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 computer might enter power saving mode (sleep state). Connect the power adapter and press the power button to turn on the computer.

2. Finish Windows setup.

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




- Connect to a network for Windows updates.

**NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.

- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

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

**Table 1. Locate Dell apps**

Resources	Description
	<p><b>My Dell</b></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><b>SupportAssist</b></p> <p>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 <a href="http://www.dell.com/support">www.dell.com/support</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p><b>Dell Update</b></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 <a href="http://www.dell.com/support">SLN305843</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

**Resources****Description**

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

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# Views of Inspiron 5591 2in1

## Right



### 1. SD-card slot

Reads from and writes to the SD card.

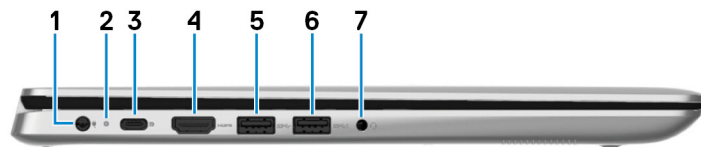
### 2. USB 2.0 port

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-adaptor port

Connect a power adaptor to provide power to your computer.

### 2. Power and battery-status light

Indicates the power state and battery state of the computer.

White — Power adaptor is connected and the battery is charging.

Solid yellow — Computer is running on battery and the battery has less than 5% charge

Off —

- Power adaptor is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 5% charge.

**NOTE:** On certain computer models, the power and battery-status light is also used for system diagnostics. For more information, see the Troubleshooting section in your computer's Service Manual.

### 3. USB 3.1 Gen 1 (Type-C) port with Power Delivery/DisplayPort

Connect peripherals such as external storage devices, printers, and external displays.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

**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. USB 3.1 Gen 1 port**

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

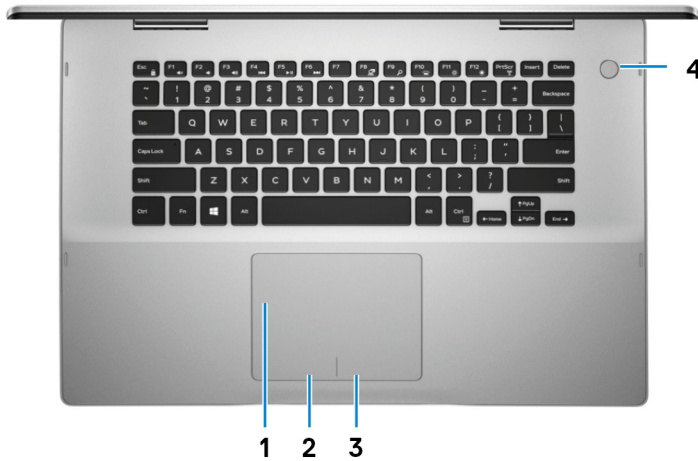
**6. USB 3.1 Gen 1 port**

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).

## 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**

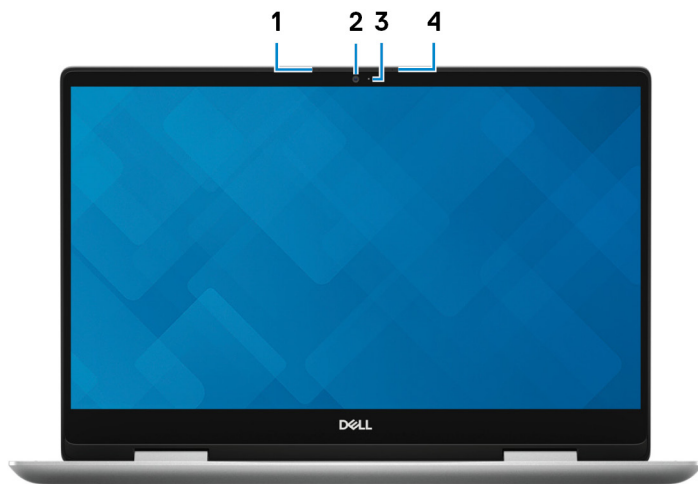
Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

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.

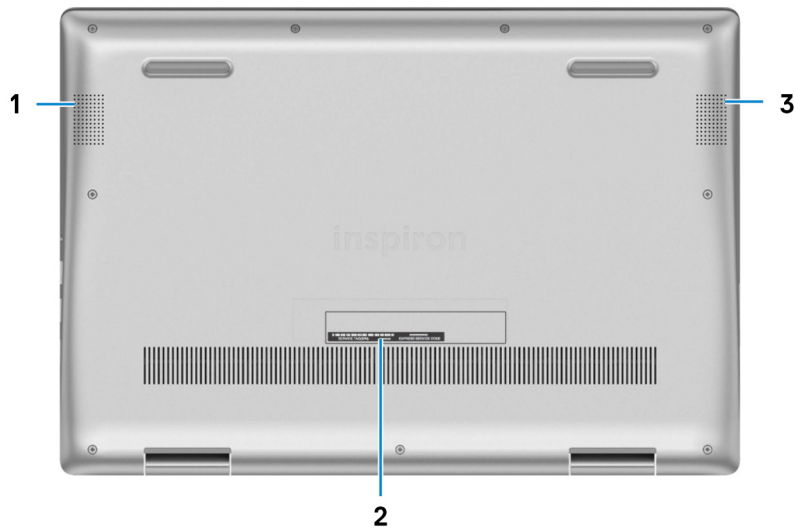
**NOTE:** You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

# 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. 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.



# Modes

## Notebook



## Tablet



## Stand



## Tent



# Specifications of Inspiron 5591 2n1

## Computer model

Inspiron 5591 2n1

## Dimensions and weight

**Table 2. Dimensions and weight**

Description	Values
Height:	
Front	18.72 mm (0.74 in.)
Rear	19.95 mm (0.79 in.)
Width	363.86 (14.33 in.)
Depth	250 mm (9.84 in.)
Weight (maximum)	2.19 kg (4.82 lb)
	<b>NOTE:</b> The weight of your computer depends on the configuration ordered and the manufacturing variability.

## Processors

**Table 3. Processor specifications**

Description	Values	Values	Values
Processor	10 <sup>th</sup> Generation Intel Core i3	10 <sup>th</sup> Generation Intel Core i5	10 <sup>th</sup> Generation Intel Core i7
Wattage	15 W	15 W	15 W
Core count	2	4	4
Thread count	4	8	8
Speed	Up to 4.1 GHz	Up to 4.2 GHz	Up to 4.9 GHz
L3 cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel UHD Graphics

## Chipset

**Table 4. Chipset specifications**

Description	Values
Chipset	CML-U PCH-LP

Description	Values
Processor	10 <sup>th</sup> Generation Intel Core i3/i5/i7
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to PCIe Gen3

## Operating system

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

## Memory

**Table 5. Memory specifications**

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

## Ports and connectors

**Table 6. Ports and connectors specifications**

Description	Values
<b>External:</b>	
Network	Not supported
USB	<ul style="list-style-type: none"> <li>• One USB 2.0 port</li> <li>• Two USB 3.1 Gen 1 port</li> <li>• One USB 3.1 Gen 1 (Type-C) port with Power Delivery/DisplayPort</li> </ul>
Audio	One headset port
Video	One HDMI 1.4b port

Description	Values
Media-card reader	One SD-card slot
Power adapter port	One 4.5 mm x 2.9 mm power-adapter port
Security	Noble lock
<b>Internal:</b>	
M.2	<ul style="list-style-type: none"> <li>One M.2 slot for WiFi and Bluetooth combo card</li> <li>One M.2 2230/2242/2280 slot for solid-state drive or Intel Optane Memory H10 with solid-state storage</li> </ul>

## Communications

### Wireless module

**Table 7. Wireless module specifications**

Description	Values	Values
Model number	Intel 9462	Intel 9560
Transfer rate	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Bluetooth 5.0</li> </ul>	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Bluetooth 5.0</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>
Bluetooth	Bluetooth 5.0	Bluetooth 5.0

## Audio

**Table 8. Audio specifications**

Description	Values
Type	Realtek High Definition Audio
Controller	Realtek ALC3204
Stereo conversion	Supported
Internal interface	High-definition audio
External interface	Headset combo connector
Speakers	Two
Internal speaker amplifier	Supported (audio codec integrated)

Description	Values
External volume controls	Using media-control shortcut keys
Speaker output:	
Average	2 W
Peak	2.5 W
Subwoofer output	Not supported
Microphone	Digital-array microphones

## Storage

**Table 9. Storage specifications**

Storage type	Interface type	Capacity
2.5-inch hard drive	SATA AHCI 6 Gbps	Up to 2 TB
M.2 2230/2242/2280 solid-state drive	PCIe Gen 3.0x4 NVMe up to 32 Gbps	Up to 1 TB
M.2 2280 Intel Optane Memory H10 with solid-state storage	<ul style="list-style-type: none"> <li>• PCIe Gen3.0x2 for NVMe</li> <li>• PCIe Gen3.0x2 for Intel Optane Memory</li> </ul>	Up to 512 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.

### Intel Optane Memory H10 with solid-state storage

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 10. Intel Optane Memory H10 with solid-state storage specifications**

Description	Values
Interface	PCIe NVMe Gen 3 x2 <ul style="list-style-type: none"> <li>• One PCIe NVMe Gen 3 x2 for Optane memory</li> <li>• One PCIe NVMe Gen 3 x2 3D QLC NAND Flash</li> </ul>
Connector	M.2
Form factor	2280
Capacity (Optane memory)	Up to 32 GB
Capacity (QLC—solid-state storage)	Up to 512 GB

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

- **9<sup>th</sup> Generation or higher Intel Core i3/i5/i7 processors**
- **Windows 10 64-bit version or higher (Anniversary Update)**
- **Intel Rapid Storage Technology driver version 17.2 or higher**

# Media-card reader

Table 11. Media-card reader specifications

Description	Values
Type	One SD card slot
Cards supported	<ul style="list-style-type: none"><li>Secure Digital (SD)</li><li>Secure Digital High Capacity (SDHC)</li><li>SD Extended Capacity (SDXC)</li></ul>

# Keyboard

Table 12. Keyboard specifications

Description	Values
Type	<ul style="list-style-type: none"><li>Standard keyboard</li><li>Backlit keyboard</li></ul>
Layout	QWERTY
Number of keys	<ul style="list-style-type: none"><li>United States and Canada: 80 keys</li><li>United Kingdom: 81 keys</li><li>Japan: 84 keys</li></ul>
Size	<ul style="list-style-type: none"><li>X = 19.05 mm key pitch</li><li>Y = 18.05 mm key pitch</li></ul>
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><b>NOTE: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.</b></p> <p><a href="#">Keyboard shortcuts.</a></p>

# Camera

Table 13. Camera specifications

Description	Values
Number of cameras	One
Type	HD fixed focus
Location	Front camera
Sensor type	CMOS sensor technology
Resolution:	
Camera:	
Still image	0.92 megapixel (HD)

Description	Values
Video	1280 x 720 (HD) at 30 fps
Infrared camera:	
Still image	Not supported
Video	Not supported
Diagonal viewing angle:	
Camera	78.6 degrees
Infrared camera	Not supported

## Touchpad

**Table 14. Touchpad specifications**

Description	Values
Resolution:	
Horizontal	1229
Vertical	929
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](https://support.microsoft.com).

## Power adapter

**Table 15. Power adapter specifications**

Description	Values
Type	45 W
Diameter (connector)	4.5 mm x 2.9 mm
Input voltage	100 VAC-240 VAC
Input frequency	50 Hz-60 Hz
Input current (maximum)	1.30 A
Output current (continuous)	2.31 A
Rated output voltage	19.50 VDC

Description	Values
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)

## Battery

Table 16. Battery specifications

Description	Values
Type	3-cell "smart" lithium-ion/polymer (42 WHr)
Voltage	11.40 VDC
Weight (maximum)	0.2 kg (0.44 lb)
Dimensions:	
Height	5.90 mm (0.23 in.)
Width	184.15 mm (7.25 in.)
Depth	97.15 mm (3.82 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)	5.5 hours (when the computer is off) <b>NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manger application. For more information on the Dell Power Manger see, <i>Me and My Dell</i> on <a href="https://www.dell.com/">https://www.dell.com/</a>.</b>
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	CR-2032

## Display

Table 17. Display specifications

Description	Values
Type	15-inch FHD touch
Panel technology	Wide viewing angle
Luminance (typical)	200 nits
Dimensions (active area):	



Description	Values
Height	344.16 mm (13.6 in.)
Width	193.59 mm (7.60 in.)
Diagonal	394.87 mm (15.6 in.)
Native resolution	1920 x 1080
Megapixels	2.07
Pixels Per Inch (PPI)	141
Contrast ratio (minimum)	700:1
Response time (maximum)	35 milliseconds rise/fall
Refresh rate	60 Hz
Horizontal view angle	+/- 85 degrees
Vertical view angle	+/- 85 degrees
Pixel pitch	0.179
Power consumption (maximum)	4.2 W
Anti-glare vs glossy finish	Glossy
Touch options	Yes

## Fingerprint reader (optional)

Table 18. Fingerprint reader specifications

Description	Values
Sensor technology	Capacitive
Sensor resolution	108 pixels x 88 pixels
Sensor area	5.49 mm x 4.47 mm
Sensor pixel size	114 x 114 pixels

## Video

Table 19. Integrated graphics specifications

Controller	External display support	Memory size	Processor
Intel UHD Graphics	One DVI HDMI 1.4b port and one USB 3.1 Gen 1 (Type-C) port with Power Delivery/DisplayPort	Shared system memory	10 <sup>th</sup> Generation Intel Core i3/i5/i7

## Computer environment

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

**Table 20. Computer environment**

<b>Description</b>	<b>Operating</b>	<b>Storage</b>
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 3,048 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.

‡ 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.

Table 21. List of keyboard shortcuts



Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight
	Decrease brightness
	Increase brightness
	Turn off/on wireless
	Toggle scroll lock
	Toggle Fn-key lock
	Pause/Break
	Sleep
	System request
	Open application menu
	Toggle between battery-status light and hard-drive activity light <b>NOTE:</b> 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**

Self-help resources	Resource location
Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a>
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	<a href="http://www.dell.com/support">www.dell.com/support</a>
Dell knowledge base articles for a variety of computer concerns.	<ol style="list-style-type: none"> <li>1. Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</li> <li>2. Type the subject or keyword in the <b>Search</b> box.</li> <li>3. Click <b>Search</b> to retrieve the related articles.</li> </ol>
Learn and know the following information about your product: <ul style="list-style-type: none"> <li>• Product specifications</li> <li>• Operating system</li> <li>• Setting up and using your product</li> <li>• Data backup</li> <li>• Troubleshooting and diagnostics</li> <li>• Factory and system restore</li> <li>• BIOS information</li> </ul>	<p>See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a>.</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"> <li>• Select <b>Detect Product</b>.</li> <li>• Locate your product through the drop-down menu under <b>View Products</b>.</li> <li>• Enter the <b>Service Tag number</b> or <b>Product ID</b> in the search bar.</li> </ul>

## 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/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.**