Inspiron 24-5490

Setup and Specifications

Notes, cautions, and warnings

(i) **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 computer

1. Set up the keyboard and mouse.

   (i) **NOTE: For setup instructions, see the documentation shipped with the keyboard and mouse.**

2. Connect the power cable.
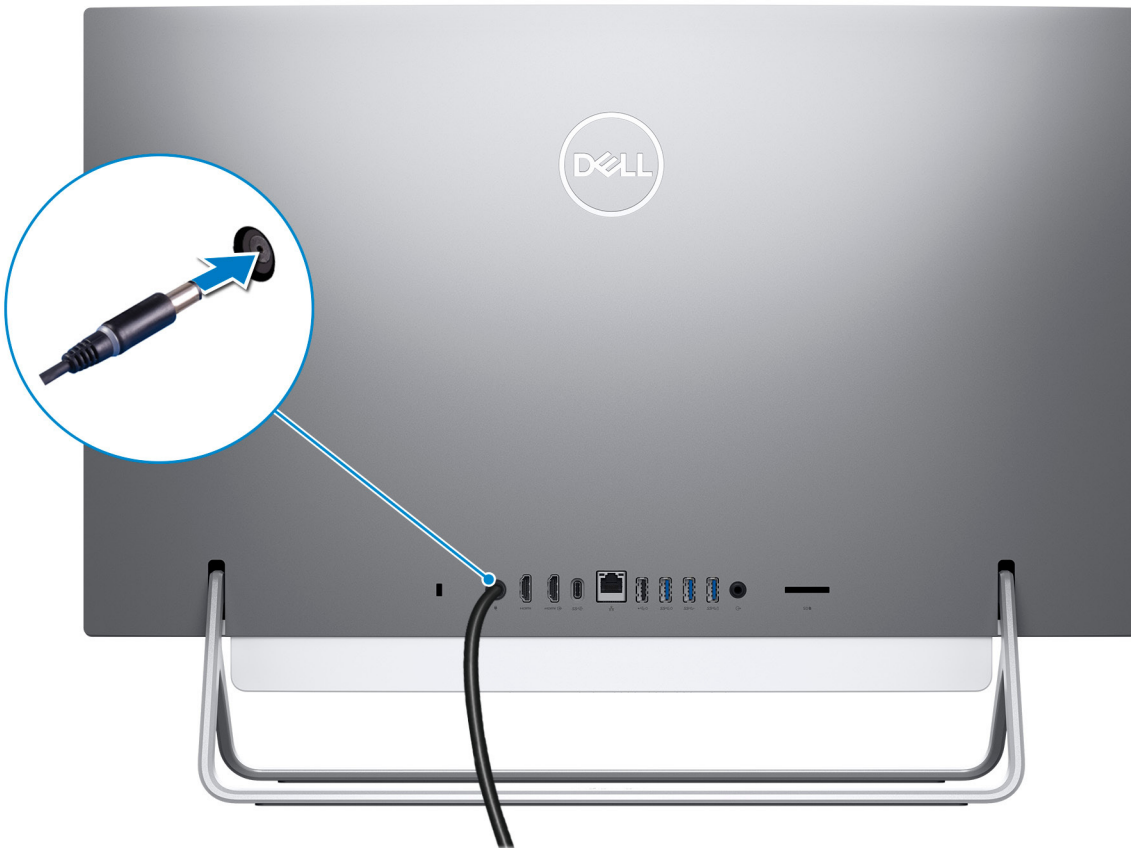
3. Press the power button.

4. 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.

  (i) **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.

5. 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. (i) **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.

Views of Inspiron 24-5490

Front

1. **Retractable-camera assembly**

   Enables you to videochat, capture photos, and record videos. This camera can be retracted to protect your privacy.
2. **Left speaker**

   Provides audio output.
3. **Array microphones (2)**

   Enables you to video-chat, capture photos, and record videos. This camera assembly can be retracted to protect your privacy.
4. **Right speaker**

   Provides audio output.

Retractable camera
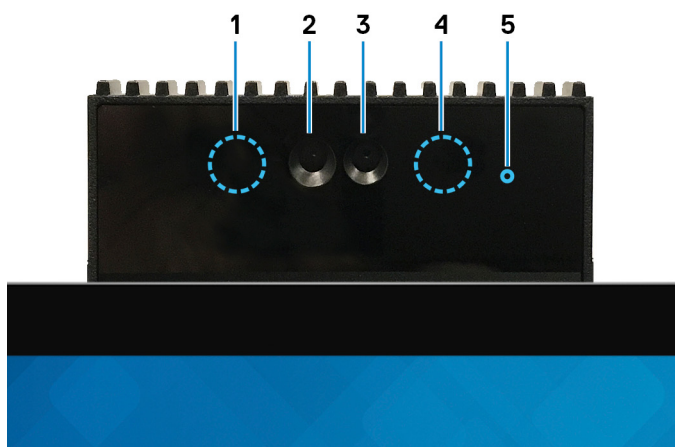
ⓘ **NOTE: Depending on the configuration ordered, your computer will have only camera or both camera and Infrared camera.**

1. **Infrared emitter**

   Emits infrared light, which enables the infrared camera to sense and track motion.

2. **Infrared camera**

   Enhances security when paired with Windows Hello face authentication.

3. **Camera**

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

4. **Infrared emitter**

   Emits infrared light, which enables the infrared camera to sense and track motion.

5. **Camera-status light**

   Turns on when the camera is in use.

Back

For more information on the rear ports, see Back panel.

Back panel
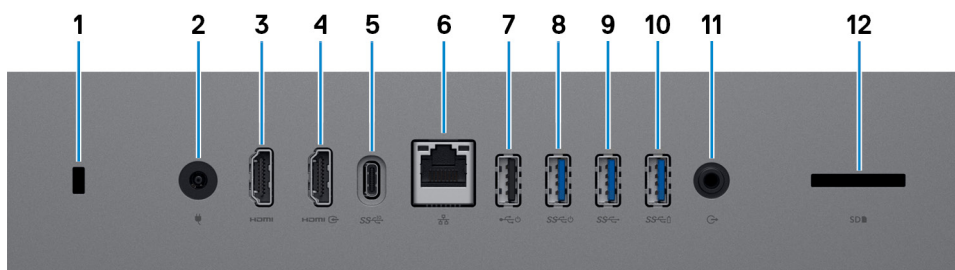
1. **Security-cable slot (wedge-shaped)**

   Connect a security cable to prevent unauthorized movement of your computer.
2. **Power-adapter port**

   Connect a power adapter to provide power to your computer.
3. **HDMI port**

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

   Connect a gaming console, Blu-ray player, or other HDMI-out enabled devices.
5. **USB 3.1 Gen 2 Type-C port**

   Connect peripherals such as external storage devices and printers.

   Provides data transfer speeds up to 10 Gbps. PowerShare enables you to charge connected USB devices.

> (i) **NOTE: Connected USB devices will not charge when the computer is turned off. Please set BIOS Deep Sleep control to disabled to start charging when the computer is powered off.**

6. **Network port**

   Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access, with a transfer rate of 10/100/1000 Mbps.

7. **USB 2.0 port with Power on/Wake-up support**

   Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps. Wake the computer from standby with the keyboard or mouse connected to this port.

   > (i) **NOTE: Please set BIOS Deep Sleep control to disabled to enable Wake up when the computer is powered off.**

8. **USB 3.1 Gen 1 port with Power on/Wake-up support**

   Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps. Wake the computer from standby with the keyboard or mouse connected to this port.

   > (i) **NOTE: Please set BIOS Deep Sleep control to disabled to enable Wake up when the computer is powered off.**

9. **USB 3.1 Gen 1 port**

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

10. **USB 3.1 Gen 1 port with PowerShare**

    Connect peripherals such as external storage devices and printers.

    Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge connected USB devices.

    > (i) **NOTE: Connected USB devices will not charge when the computer is turned off. Please set BIOS Deep Sleep control to disabled to start charging when the computer is powered off.**

11. **Audio-out port**

    Connect audio-output devices such as speakers, amplifiers, and so on.

12. **SD-card slot**

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

    - SD card
    - SD High Capacity (SDHC) card
    - SD Extended Capacity (SDXC) card
    - micro Secure Digital (mSD)
    - micro Secure Digital High Capacity (mSDHC)
    - micro Secure Digital Extended Capacity (mSDXC)

Bottom

1. **Power button**

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

Press to put the computer in sleep state if it is turned on.

Press and hold for 10 seconds to force shut-down the computer.

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

2. **Display Built-in Self Test button**

   Press to run a built-in self-test for the display.

3. **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.

Tilt

Darth stand

Vessel stand

25°

Pafilia X stand

25°

Retractable camera

Push the top of camera to extend or retract the camera. Extend the camera before use and retract the camera to protect your privacy when not in use.

Specifications of Inspiron 24-5490

Stand

Table 2. Stand

Description	Darth stand	Vessel stand	Pafilia X stand
Height	131.40 mm (5.17 in.)	127.71 mm (5.02 in.)	135 mm (5.31 in.)
Width	477 mm (18.77 in.)	462 mm (18.18 in.)	531.8 mm (20.93 in.)
Depth	193.4 mm (7.61 in.)	182 mm (7.16 in.)	202.3 mm (7.96 in.)
Weight	0.40 kg (0.88 lb)	0.64 kg (1.41 lb)	0.63 kg (1.38 lb)

Darth stand

Table 3. Darth stand dimensions

Description	Dimensions
❶	412.80 mm (16.25 in.)
❷	193.40 mm (7.61 in.)
❸	412.80 mm (16.25 in.)
❹	193.40 mm (7.61 in.)
❺	539.60 mm (21.24 in.)

Vessel stand
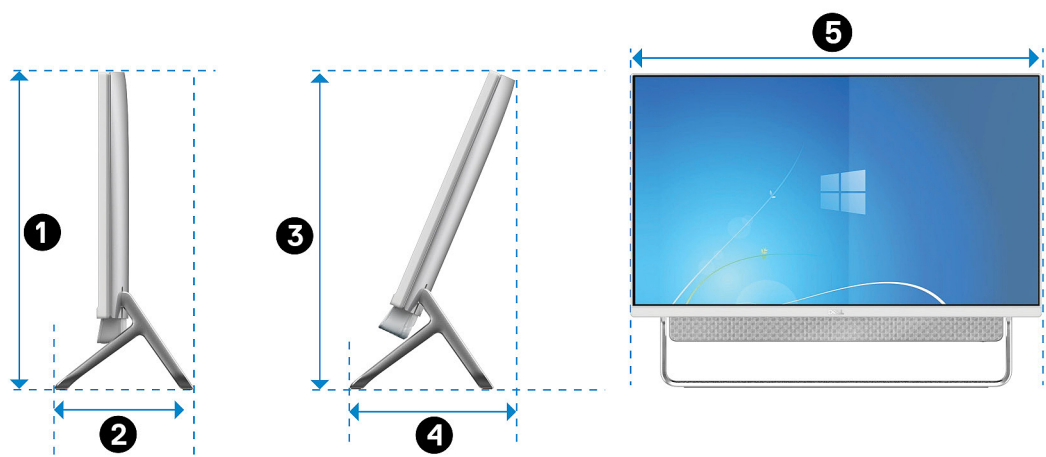
Table 4. Vessel stand

Description	Dimensions
❶	412.90 mm (16.25 in.)
❷	182 mm (7.16 in.)
❸	412.90 mm (16.25 in.)
❹	182 mm (7.16 in.)
❺	539.80 mm (21.25 in.)

Pafilia X stand
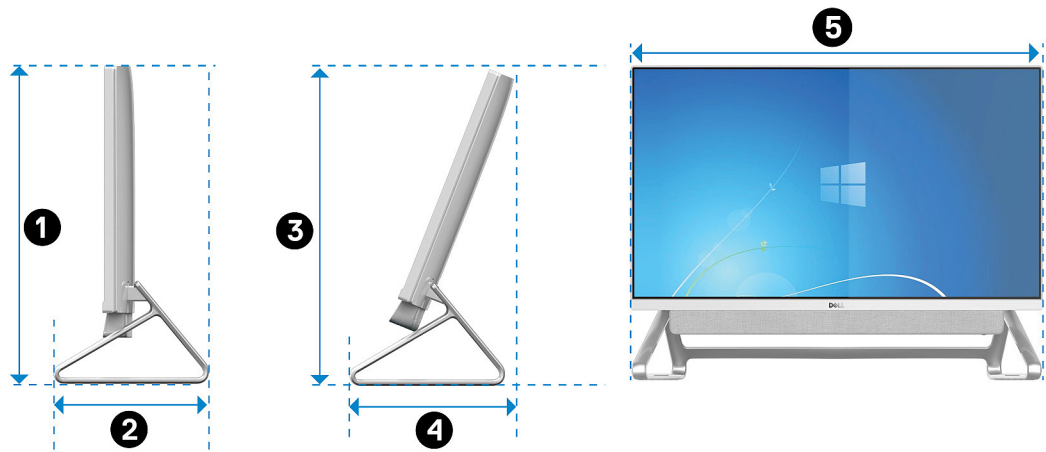
Table 5. Pafilia X stand dimensions

Description	Dimensions
❶	412.9 mm (16.25 in.)
❷	202.3 mm (7.96 in.)

Description	Dimensions
❸	412.9 mm (16.25 in.)
❹	202.3 mm (7.96 in.)
❺	539.8 mm (21.25 in.)

Dimensions and weight

Table 6. Computer dimensions and weight (without stand)

Description		Values
Height		• 352 mm (13.85 in.) with Darth stand • 352.10 mm (13.86 in.) with Vessel and Pafilia X stand ⓘ **NOTE: The height of your computer varies depending on the stand installed.**
Width		• 539.60 mm (21.24 in.) with Darth stand • 539.80 mm (21.25 in.) with Vessel and Pafilia X stand ⓘ **NOTE: The width of your computer varies depending on the stand installed.**
Depth		41.80 mm (1.64 in.)
Weight:		
	Touchscreen	4.72 kg (10.42 lb)
	Non-touchscreen	5 kg (11.02 lb)
		ⓘ **NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.**

Processors

Table 7. Processors

Description	Values		
Processors	10th Generation Intel Core i3 (10110U)	10th Generation Intel Core i5 (10210U)	10th Generation Intel Core i7 (10510U)
Wattage	15 W	15 W	15 W
Core count	4	4	4
Thread count	8	8	8
Speed	Up to 4.1 GHz	Up to 4.2 GHz	Up to 4.9 GHz
Cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics 620	Intel UHD Graphics 620	Intel UHD Graphics 620

Chipset

Table 8. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	10th Generation Intel Core i3/i5/i7
DRAM bus width	64 bit
Flash EPROM	16 MB
PCIe bus	PCIe Gen2

Operating system

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

Memory

Table 9. Memory specifications

Description	Values
Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	2666 MHz
Maximum memory	32 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, 12 GB, and 16 GB
Configurations supported	4 GB DDR4 at 2666 MHz (1 x 4 GB) 8 GB DDR4 at 2666 MHz (2 x 4 GB) 12 GB DDR4 at 2666 MHz (1 x 4 GB + 1 x 8 GB) 16 GB DDR4 at 2666 MHz (2 x 8 GB or 1 x 16 GB) 32 GB DDR4 at 2666 MHz (2 x 16 GB)

Ports and connectors

Table 10. Ports and connectors

Description	Values
External:	
Network	One RJ-45 port

Description	Values
USB	• One USB 2.0 port with Power on/Wake-up support • One USB 3.1 Gen 1 port • One USB 3.1 port with Power on/Wake-up support • One USB 3.1 Gen 1 port with PowerShare • One USB 3.1 Gen 2 (Type-C) port
Audio	Audio-out port
Video	• One HDMI 1.4b port • One HDMI-in port
Memory card reader	One SD-card slot
Power port	One 4.5 mm x 2.9 mm DC-in adapter port
Security	Wedge-shaped lock
Internal:	
PCIe expansion card slots	Not supported
M.2	• One M.2 slot for Wi-Fi and Bluetooth combo card • One PCIe/SATA M.2 2230/2242 slot for solid-state drive ⓘ **NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.**

Communications

Ethernet

Table 11. Ethernet specifications

Description	Values
Model number	Realtek RTL8111HSD-CG PCIe Gigabit Ethernet controller (integrated on system board)
Transfer rate	10/100/1000 Mbps

Wireless module

Table 12. Wireless module specifications

Description	Values	
Model number	Intel 9462	Intel AX200
Transfer rate	Up to 433 Mbps	Up to 2400 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz
Wireless standards	• Wi-Fi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 6 (WiFi 802.11ax)

Description	Values	
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.0	Bluetooth 5.0

Audio

Table 13. Audio specifications

Description	Values
Controller	Realtek ALC3289-CG
Stereo conversion	Supported
Internal interface	High definition audio interface
External interface	Universal Audio Jack/HDMI 1.4 port
Speakers	2
Internal speaker amplifier	Supported
External volume controls	Not supported
Speaker output:	
Average	5 W
Peak	6 W
Subwoofer output	Not supported
Microphone	Digital-array microphones

Storage

Your computer supports one of the following configurations:

• One 2.5-inch hard-disk drive
• One M.2 2230/2242 solid-state drive
• One 2.5-inch hard drive and one M.2 2242 solid-state drive

Table 14. Storage specifications

Storage type	Interface type	Capacity
One 2.5-inch hard-disk drive	SATA AHCI 6 Gbps	Up to 2 TB
One M.2 2230/2242 solid-state drive	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 1 TB

Media-card reader

Table 15. Media-card reader specifications

Description	Values
Type	One SD-card slot
Cards supported	· SD card · SD High Capacity (SDHC) card · SD Extended Capacity (SDXC) card · micro Secure Digital (mSD) · micro Secure Digital High Capacity (mSDHC) · micro Secure Digital Extended Capacity (mSDXC)

Camera

Table 16. Camera specifications

Description	Values
Number of cameras	One
Type	· HD RGB camera · FHD RGB + infrared camera
Location	Front camera
Sensor type	CMOS sensor technology
Resolution	
Camera	
Still image	· 0.92 megapixels (HD camera) · 2.07 megapixels (FHD camera)
Video	· 1280 x 720 (HD) at 30 fps (HD camera) · 1920 x 1080 (FHD) at 30 fps (FHD camera)
Infrared camera	
Still image	0.3 megapixel
Video	640 x 480 (VGA) at 30 fps
Diagonal viewing angle	
Camera	· 74.6 degrees (HD camera) · 77.5 degrees (FHD camera)
Infrared camera	82.8 degrees

Display

Table 17. Display specifications

Description	Values
Type	Full High Definition (FHD)

Description	Values
Panel technology	Wide Viewing Angle (WVA)
Luminance (typical)	250 nits
Dimensions (active area):	
Height	313 mm (12.32 in.)
Width	535 mm (21.06 in.)
Diagonal	604.70 mm (23.80 in.)
Native resolution	1920 x 1080
Megapixels	16.78
Color gamut	72%
Pixels Per Inch (PPI)	93
Contrast ratio (min)	1000:1
Response time (max)	25
Refresh rate	60 Hz
Horizontal view angle	+/- 170 degrees
Vertical view angle	+/- 170 degrees
Pixel pitch	0.2745 mm x 0.2745 mm
Power consumption (maximum)	11.77 W
Anti-glare vs glossy finish	Anti-glare
Touch options	Yes

Power adapter

Table 18. Power adapter specifications

Description	Values	
Type	90 W	130 W
Diameter (connector)	4.5 mm	4.5 mm
Input voltage	100 VAC-240 VAC	100 VAC-240 VAC
Input frequency	50 Hz-60 Hz	50 Hz-60 Hz
Input current (maximum)	1.50 A	2.50 A
Output current (continuous)	4.62 A	6.70 A
Rated output voltage	19.50 VDC	19.50 VDC
Temperature range:		

Description	Values	
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)

Video

Table 19. Discrete graphics specifications

Discrete graphics

Controller	External display support	Memory size	Memory type
NVIDIA MX110	Not applicable	2 GB	GDDR5

Table 20. Integrated graphics specifications

Integrated graphics

Controller	External display support	Memory size	Processor
Intel UHD Graphics 620	One HDMI 1.4 port	Shared system memory	10th Generation Intel Core i3/i5/i7

Computer environment

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

Table 21. Computer environment

	Operating	Storage
Temperature range	5°C to 35°C (32°F to 95°F)	−40°C to 65°C (−40°F to 149°F)
Relative humidity (maximum)	20% to 80% (non-condensing)	5% to 95% (non-condensing)
Vibration (maximum)*	0.26 GRMS	1.37 GRMS
Shock (maximum)	40 G†	105 G‡
Altitude (maximum)	3048	10668

* 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.

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	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type `Contact Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows
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.**