XPS 13 9300

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.**

Contents

Set up your XPS 13 9300

ⓘ **NOTE: The images in this document may differ from your computer, depending on the computer configuration you ordered.**

1. Connect the power adapter to a power source and to the Thunderbolt 3 (USB Type-C) port with Power Delivery. Then press the power button on your computer.

ⓘ **NOTE: To conserve battery power during shipment, your computer may go into power-saving mode. Be sure to connect the power adapter to your computer before turning it on.**

2. Complete the operating system setup.

Table 1. Operating system setup

Operating system	Setup instructions
Windows	Follow the on-screen instructions to complete the setup. When setting up, it is recommended that you connect to a secure network to download and install the latest Windows updates.
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.

3. If Windows is installed in your computer, there are Dell apps with which you can get assistance and software updates.

ⓘ **NOTE: Dell apps are not available on Ubuntu.**

Table 2. Dell apps

Dell app	Description
My Dell	Access Dell applications, help articles, and other important information about your computer. My Dell also notifies you about the warranty status, recommended accessories, and software updates for your computer.

| Dell app	Description
	SupportAssist Pro-actively checks the health of your computer's hardware and software and troubleshoots issues with the operating system. For more information about the app, see the SupportAssist documentation at www.dell.com/support. ⓘ **NOTE: To renew or upgrade your warranty in the SupportAssist app, click the warranty expiry date.**
	Dell Update Updates your computer with critical fixes and latest device drivers. For more information about the app, 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 the app, see the knowledge base article 153764 at www.dell.com/support.

Views of XPS 13 9300

Front
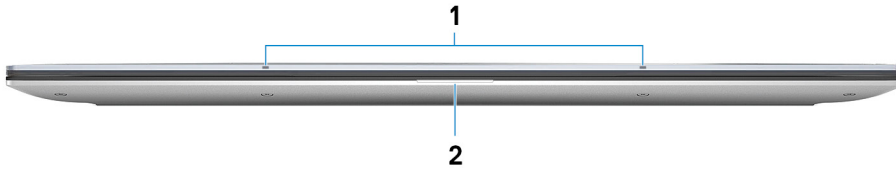
1. **Microphones (2)**

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

2. **Power and battery-status light**

   Indicates the power state and battery state of the computer.

   Solid white—Power adapter is connected and the battery is charging.

   Solid amber—Battery charge is low or critical.

   Off—Battery is fully charged.

   (i) **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*.**

Left

1. **Thunderbolt 3 (USB Type-C) port with Power Delivery**

   Supports USB 3.1 Gen 2 Type-C, DisplayPort 1.4, 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. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/3 A power output that enables faster charging.

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

2. **microSD-card slot**

   Reads from and writes to the microSD card. Your computer supports the following card types:

   - microSecure Digital (microSD)
   - microSecure Digital High Capacity (microSDHC)
   - microSecure Digital Extended Capacity (microSDXC)

Right

1. **Thunderbolt 3 (USB Type-C) port with Power Delivery**

   Supports USB 3.1 Gen 2 Type-C, DisplayPort 1.4, 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. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/3 A power output that enables faster charging.

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

2. **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 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 10 seconds to force shut-down the computer.

   Place your finger on the power button to log-in with the fingerprint reader.

   (i) **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. **Infrared emitter**

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

2. **Ambient-light sensor**

   Detects the ambient light and automatically adjusts the keyboard backlight and display brightness.

3. **RGB and infrared camera**

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

4. **Camera-status light**

   Turns on when the camera is in use.

5. **Infrared emitter**

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

Bottom
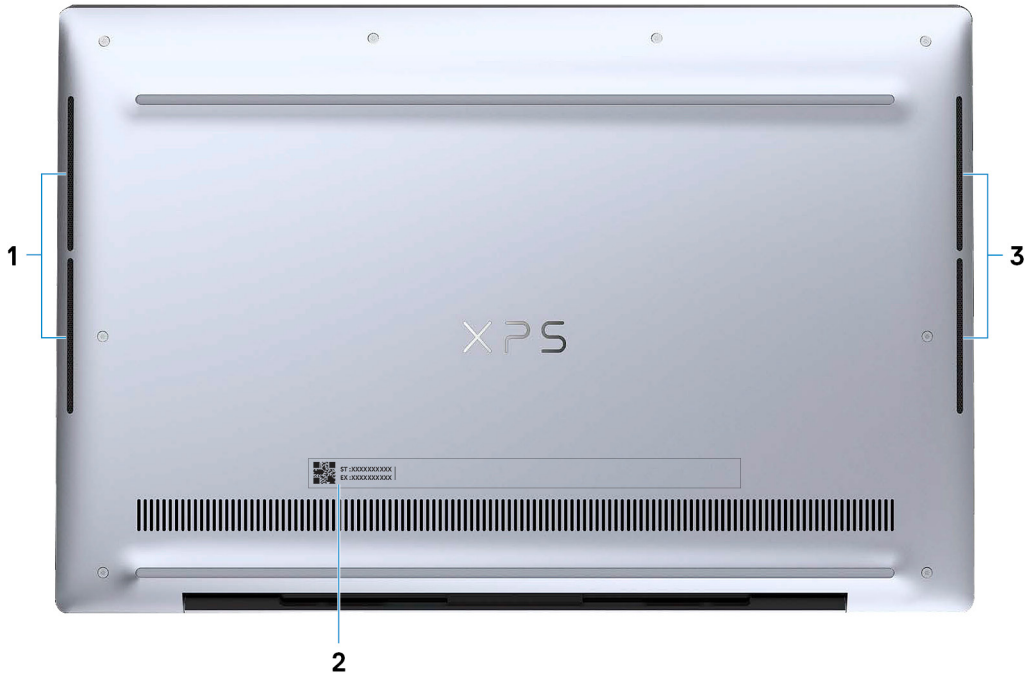
1. **Left speaker**

   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 XPS 13 9300

Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 13 9300.

Table 3. Dimensions and weight

Description	Values
Height:	
Front height	6.75 mm (0.27 in.)
Rear height	9.58 mm (0.38 in.)
Width	295.65 mm (11.64 in.)
Depth	198.68 mm (7.82 in.)
Weight (maximum)	1.307 kg (2.88 lb)
	(i) **NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.**

Processor

The following table lists the details of the processors supported by your XPS 13 9300.

Table 4. Processor

Description	Option one	Option two	Option three
Processors	10th Generation Intel Core i3-1005G1	10th Generation Intel Core i5-1035G1	10th Generation Intel Core i7-1065G7
Wattage	15 W	15 W	15 W
Core count	2	4	4
Thread count	4	8	8
Speed	Up to 3.40 GHz	Up to 3.60 GHz	Up to 3.90 GHz
Cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel Iris Plus Graphics

Chipset

The following table lists the details of the chipset supported by your XPS 13 9300.

Table 5. Chipset

Description	Option one	Option two	Option three
Processors	10th Generation Intel Core i3-1005G1	10th Generation Intel Core i5-1035G1	10th Generation Intel Core i7-1065G7
Chipset	Integrated in the processor	Integrated in the processor	Integrated in the processor
DRAM bus width	64-bit	64-bit	64-bit
Flash EPROM	32 MB	32 MB	32 MB
PCIe bus	Up to Gen3.0	Up to Gen3.0	Up to Gen3.0

Operating system

Your XPS 13 9300 supports the following operating systems:

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Windows 10 Professional Education (64-bit)
- Windows 10 Enterprise Ready
- Ubuntu

Memory

The following table lists the memory specifications of your XPS 13 9300.

Table 6. Memory specifications

Description	Values
Memory slots	Onboard memory
Memory type	Dual-channel LPDDR4 or LPDDR4X
Memory speed	3733 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	4 GB
Memory configurations supported	• 4 GB at 3733 MHz (LPDDR4) • 8 GB at 3733 MHz (LPDDR4X) • 16 GB at 3733 MHz (LPDDR4X) • 32 GB at 3733 MHz (LPDDR4X)

Internal slots

The following table lists the internal slots of your XPS 13 9300.

Table 7. Internal slots

Description	Values
M.2	One slot for M.2 solid-state drive (2230 or 2280)

Description	Values
	ⓘ **NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626 at www.dell.com/support.**

External ports

The following table lists the external ports of your XPS 13 9300.

Table 8. External ports

Description	Values
USB ports	• One Thunderbolt 3 (USB Type-C) port with Power Delivery (Left) • One Thunderbolt 3 (USB Type-C) port with Power Delivery (Right)
Audio port	One headset (headphone and microphone combo) port
Video port	USB Type-C to DisplayPort adapter (sold separately)
Media-card reader	One microSD-card slot
Docking port	Not supported
Power-adapter port	DC-IN through a USB Type-C connector
Security	Not supported

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your XPS 13 9300.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	Rivet Killer AX1650s	Rivet Killer 500s DBS
Transfer rate	Up to 2400 Mbps	Up to 1800 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.0	Bluetooth 5.1

Audio

The following table lists the audio specifications of your XPS 13 9300.

Table 10. Audio specifications

Description	Values
Audio controller	Realtek ALC3281-CG
Stereo conversion	Supported
Internal audio interface	High-definition audio interface
External audio interface	Universal audio jack
Number of speakers	Two
Internal-speaker amplifier	Supported
External volume controls	Keyboard shortcut controls
Speaker output:	
Average speaker output	2 W
Peak speaker output	2.5 W
Subwoofer output	Not supported
Microphone	Digital-array microphones

Storage

This section lists the storage options on your XPS 13 9300.

Your XPS 13 9300 supports one of the following storage configurations:

- One M.2 2230 solid-state drive
- One M.2 2280 solid-state drive

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 256 GB
M.2 2280 solid-state drive	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 2 TB

Media-card reader

The following table lists the media cards supported by your XPS 13 9300.

Table 12. Media-card reader specifications

Description	Values
Media-card type	One microSD-card slot
Media-cards supported	- microSecure Digital (mSD) - microSecure Digital High Capacity (mSDHC) - microSecure Digital Extended Capacity (mSDXC)

Description	Values

> (i) **NOTE:** The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.

Keyboard

The following table lists the keyboard specifications of your XPS 13 9300.

Table 13. Keyboard specifications

Description	Values
Keyboard type	Standard backlit keyboard
Keyboard layout	QWERTY
Number of keys	• United States and Canada: 79 keys • United Kingdom: 80 keys • Japan: 83 keys
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	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.** For more information, see Keyboard shortcuts.

Camera

The following table lists the camera specifications of your XPS 13 9300.

Table 14. Camera specifications

Description	Values
Number of cameras	One
Camera type	RGB and infrared HD camera
Camera location	Front
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Infrared camera resolution:	
Still image	640 x 360
Video	640 x 360 (HD) at 15 fps

Description	Values
Diagonal viewing angle:	
Camera	77.7 degrees
Infrared camera	77.7 degrees

Touchpad

The following table lists the touchpad specifications of your XPS 13 9300.

Table 15. Touchpad specifications

Description	Values
Touchpad resolution:	
Horizontal	1300
Vertical	722
Touchpad dimensions:	
Horizontal	112.30 mm (4.42 in.)
Vertical	64.15 mm (2.53 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

The following table lists the power adapter specifications of your XPS 13 9300.

Table 16. Power adapter specifications

Description	Values
Type	45 W (USB Type-C)
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.30 A
Output current (continuous)	2.25 A
Rated output voltage	20 VDC
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

The following table lists the battery specifications of your XPS 13 9300.

Table 17. Battery specifications

Description	Values
Battery type	4-cell 52 Whr "smart" lithium-ion
Battery voltage	7.60 VDC
Battery weight (maximum)	0.22 kg (0.49 lb)
Battery dimensions:	
Height	98.60 mm (3.88 in.)
Width	255.80 mm (10.07 in.)
Depth	4.30 mm (0.17 in.)
Temperature range:	
Operating	0°C to 45°C (32°F to 113°F)
Storage	-20°C to 65°C (-4°F to 149°F)
Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate)	• Express charging: 2 hours (when the computer is off) • Standard charging: 3 hours (when the computer is off) (i) **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 www.dell.com/**
Battery life span (approximate)	300 discharge/charge cycles
Coin-cell battery	Not applicable

Display

The following table lists the display specifications of your XPS 13 9300.

Table 18. Display specifications

Description	Option one	Option two	Option three
Display type	Ultra High Definition (UHD+)	Full High Definition (FHD+)	Full High Definition (FHD+)
Display-panel technology	WLED	WLED	WLED
Display-panel dimensions (active area):			
Height	288 mm (11.34 in.)	288 mm (11.34 in.)	288 mm (11.34 in.)
Width	180 mm (7.09 in.)	180 mm (7.09 in.)	180 mm (7.09 in.)
Diagonal	339.60 mm (13.37 in.)	339.60 mm (13.37 in.)	339.60 mm (13.37 in.)
Display-panel native resolution	3840 x 2400	1920 x 1200	1920 x 1200

Description	Option one	Option two	Option three
Luminance (typical)	450 nits	450 nits	500 nits
Megapixels	9.216	2.304	2.304
Color gamut	DCI-P3 90% (typical)	sRGB 100%	sRGB
Pixels Per Inch (PPI)	338.67	169.3	169.3
Contrast ratio (min)	1500:1	1800:1	1800:1
Response time (max)	35 ms	35 ms	35 ms
Refresh rate	60 Hz	60 Hz	60 Hz
Horizontal view angle	+/- 85 degrees	+/- 85 degrees	+/- 85 degrees
Vertical view angle	+/- 85 degrees	+/- 85 degrees	+/- 85 degrees
Pixel pitch	0.08 mm	0.15 mm	0.15 mm
Power consumption (maximum)	6.60 W	2.9 W	2.9 W
Anti-glare vs glossy finish	Anti-reflection	Anti-reflection	Anti-glare
Touch options	Yes	Yes	No

Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 13 9300.

Table 19. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor area	4.06 mm x 3.25 mm
Fingerprint-reader sensor pixel size	64 x 80

GPU – Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your XPS 13 9300.

Table 20. GPU — Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics	USB Type-C to DisplayPort adapter (sold separately)	Shared system memory	10th Generation Intel Core i3/i5
Intel Iris Plus Graphics	USB Type-C to DisplayPort adapter (sold separately)	Shared system memory	10th Generation Intel Core i7

Operating and storage environment

This table lists the operating and storage specifications of your XPS 13 9300.

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

Table 21. 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 (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 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.

Dell low blue light display

⚠️ **WARNING: Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.**

The ComfortView feature in Dell laptops is designed to minimize blue light emission from the display for better eye comfort.

To reduce the risk of eye strain from using the display for an extended period of time, we recommend that you:

1. Keep your eyes between 20 inches and 28 inches (50 cm and 70 cm) from the display.
2. Blink frequently to moisten your eyes or wet your eyes with water.
3. Take a break for 20 minutes every two hours.
4. Look away from your display and gaze at a distant object at 20 feet (61 cm) away for at least 20 seconds during each break.

Keyboard shortcuts of XPS 13 9300

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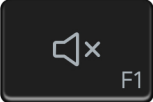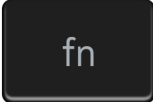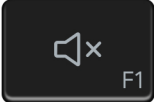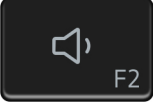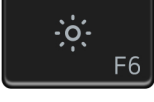
Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown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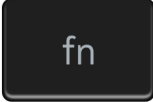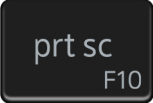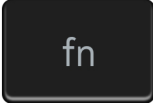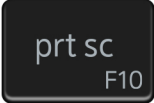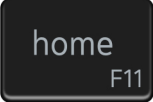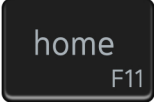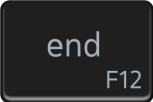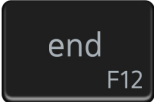
The keys **F1**-**F12** at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing **F1** mutes the audio (refer to the table below).

However, if the function keys **F1**-**F12** are needed for specific software applications, multi-media functionality can be disabled by pressing **fn** + **esc**. Subsequently, multimedia 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 22. 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
☼ F6	fn	+	☼ F6	Decrease brightness
☼ F7	fn	+	☼ F7	Increase brightness

Function key	Redefined key (for multimedia control)		Behavior
F8 (external display)	fn	+ F8 (external display)	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 23. 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 24. 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.**