XPS 13 9305

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 9305

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

1. Connect the power adapter to the Thunderbolt 4 (USB Type-C) port with Power Delivery (Primary power source) on the left side of the computer. Then, press the power button on your computer to turn it on.

(i) **NOTE:** The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

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.
     (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.

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 SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see *SupportAssist for Home PCs User's Guide* at www.dell.com/serviceabilitytools. Click **SupportAssist** and then, click **SupportAssist for Home PCs**.

Table 1. Locate Dell apps (continued)

Resources	Description
	ⓘ **NOTE:** In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.
	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 000149088 at www.dell.com/support.
	Dell Digital Delivery Download software applications, which are purchased but not preinstalled on your computer. For more information about using Dell Digital Delivery, see the knowledge base article 000129837 at www.dell.com/support.

Views of XPS 13 9305

Front
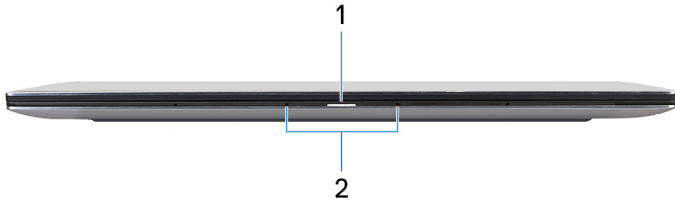
1. **Power and battery-status light**

   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 are also used for diagnostics. For more information, see the *Troubleshooting* section in your computer's *Service Manual*.

2. **Microphones**

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

Right

1. **Right speaker**

   Provides audio output.

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)

3. **USB 3.2 Gen 2 (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 5V/3A power output that enables faster charging.

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

4. **Headset port**

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

Left

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

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

2. **Thunderbolt 4 (USB Type-C) port with Power Delivery (Primary)**

   Supports USB4 Gen 3 Type-C, DisplayPort 1.4a. Enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 Gen 3 and Thunderbolt 4. 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:** This is the primary port for power supply. Connect the power adapter to this port.

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

3. **Thunderbolt 4 USB Type-C port with Power Delivery**

   Supports USB4 Gen 3 Type-C, DisplayPort 1.4a. Enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 Gen 3 and Thunderbolt 4. 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:** There are two Thunderbolt 4 ports available on this computer. To charge the computer, connect the USB Type-C power adapter to the primary Thunderbolt 4 port.

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

   (i) **NOTE:** You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, see the knowledge base article 000124295 at www.dell.com/support.

4. **Battery-charge status button**

   Press to check the charge remaining in the battery.
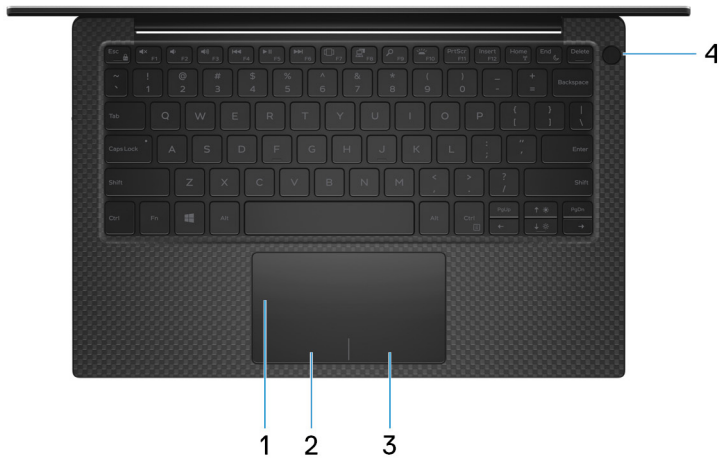
5. **Battery-charge status lights (5)**

   Turns on when the battery-charge status button is pressed. Each light indicates approximately 20% charge.

6. **Left speaker**

   Provides audio output.

Top

1. **Touchpad**

   Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two fingers 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.

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

Front
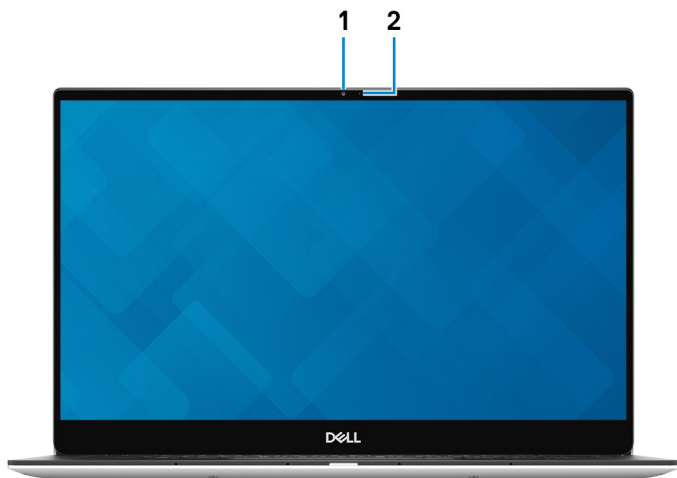
1. **Camera**

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

2. **Camera-status light**

Turns on when the camera is in use.

Bottom

1. **Service Tag**

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.

Specifications of XPS 13 9305

Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 13 9305.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	7.80 mm (0.31 in.)
Rear height	11.63 mm (0.46 in.)
Width	301.76 mm (11.88 in.)
Depth	199.24 mm (7.84 in.)
Weight (maximum)	1.29 kg (2.84 lb) ⓘ **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 9305.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	11th Generation Intel Core i3-1115G4	11th Generation Intel Core i5-1135G7	11th Generation Intel Core i7-1165G7
Processor wattage	15 W	15 W	15 W
Processor core count	2	4	4
Processor thread count	4	8	8
Processor speed	Up to 4.1 GHz	Up to 4.2 GHz	Up to 4.7 GHz
Processor cache	6 MB	8 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your XPS 13 9305.

Table 4. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	11th Generation Intel Core i3/i5/i7
DRAM bus width	128-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 4.0 (Storage)

Operating system

Your XPS 13 9305 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit

Memory

The following table lists the memory specifications of your XPS 13 9305.

Table 5. Memory specifications

Description	Values
Memory slots	Onboard memory ⓘ **NOTE:** The memory modules are integrated on the system board. If the memory modules are malfunctioning and need to be replaced, a replacement of the system board is necessary.
Memory type	LPDDR4x
Memory speed	4267 MT/s
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory size per slot	Not applicable
Memory configurations supported	• 8 GB (4 x 2 GB) LPDDR4x at 4267 MT/s • 16 GB (4 x 4 GB) LPDDR4x at 4267 MT/s

External ports

The following table lists the external ports on your XPS 13 9305.

Table 6. External ports

Description	Values
USB ports	- One USB 3.2 Gen 2 (Type-C) port with Power Delivery/DisplayPort - Two Thunderbolt 4 USB Type-C ports with Power Delivery (i) **NOTE:** To charge the computer, connect the USB Type-C power adapter to the primary Thunderbolt 4 port. (i) **NOTE:** You can connect a Dell Docking Station to either of these ports. For more information, see the knowledge base article 000124295 at www.dell.com/support.
Audio port	One headset (headphone and microphone combo) port
Video port/ports	- One USB 3.2 Gen 2 (Type-C) port with Power Delivery/DisplayPort - Two Thunderbolt 4 USB Type-C ports with Power Delivery (i) **NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect to a DisplayPort device.
Media-card reader	One microSD-card slot
Power-adapter port	DC-IN through Thunderbolt 4 (USB Type-C) port with Power Delivery (Primary)
Security-cable slot	One wedged-shaped slot

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your XPS 13 9305.

Table 7. Wireless module specifications

Description	Values
Model number	Intel Killer 1650W
Transfer rate	Up to 2400 Mbps
Frequency bands supported	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)
Encryption	64-bit/128-bit WEP - AES-CCMP - TKIP
Bluetooth	Bluetooth 5.1

Audio

The following table lists the audio specifications of your XPS 13 9305.

Table 8. Audio specifications

Description		Values
Audio controller		Realtek ALC3271-CG with Waves MaxxAudio Pro
Stereo conversion		Supported
Internal audio interface		High-definition audio interface
External audio interface		7.1 channel output, universal audio jack supports microphone-in, stereo headphones, and headset combo
Number of speakers		Two
Internal-speaker amplifier		Supported (audio codec built-in amplifier)
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Dual-array microphones

Storage

This section lists the storage options on your XPS 13 9305.

Your XPS 13 9305 supports one of the following storage options:
- One M.2 2230 solid-state drive
- One M.2 2280 solid-state drive

(i) **NOTE:** The M.2 2230 and M.2 2280 solid-state drives each has a unique thermal plate. The thermal plates cannot be interchanged.

Table 9. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe NVMe Gen3 x2 NVMe, up to 32 Gbps	Up to 256 GB
M.2 2280 solid-state drive	PCIe Gen3 x2 NVMe, up to 32 Gbps	Up to 512 GB

Media-card reader

The following table lists the media cards supported by your XPS 13 9305.

Table 10. Media-card reader specifications

Description	Values
Media-card type	One microSD-card slot
Media-cards supported	- Micro Secure Digital (mSD) - Micro Secure Digital High Capacity (mSDHC) - Micro Secure Digital Extended Capacity (mSDXC)
ⓘ **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 9305.

Table 11. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	- United States and Canada: 82 keys - United Kingdom: 83 keys - Japan: 86 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. ⓘ **NOTE:** You can define the primary behavior of the function keys (F1–F12) changing **Function Key Behavior** in BIOS setup program. See Keyboard shortcuts

Camera

The following table lists the camera specifications of your XPS 13 9305.

Table 12. Camera specifications

Description	Values
Number of cameras	One
Camera type	HD RGB

Table 12. Camera specifications (continued)

Description	Values
Camera location	Top-mount front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle:	78 degrees

Touchpad

The following table lists the touchpad specifications of your XPS 13 9305.

Table 13. Touchpad specifications

Description	Values
Touchpad resolution:	
Horizontal	305
Vertical	305
Touchpad dimensions:	
Horizontal	105 mm (4.13 in.)
Vertical	65 mm (2.56 in.)
Touchpad gestures	For more information about touchpad gestures available on Windows, 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 9305.

Table 14. Power adapter specifications

Description	Values
Type	65 W (USB Type-C)
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A
Output current (continuous)	20 VDC/3.25A 15 VDC/3 A 9 VDC/3 A 5 VDC/3 A

Table 14. Power adapter specifications (continued)

Description	Values
Rated output voltage	20 VDC/15 VDC/9 VDC/5 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)

⚠️ **CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.**

Battery

The following table lists the battery specifications of your XPS 13 9305.

ⓘ **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 15. Battery specifications

Description	Values
Battery type	4-cell "smart" lithium-ion (52 WHr)
Battery voltage	7.60 VDC
Battery weight (maximum)	0.22 kg (0.49 lb)
Battery dimensions:	
Height	257.60 mm (10.14 in.)
Width	98.60 mm (3.88 in.)
Depth	4.30 mm (0.17 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)
Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) ⓘ **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.	4 hours (when the computer is off)
Coin-cell battery	ML1220

Display

The following table lists the display specifications of your XPS 13 9305.

Table 16. Display specifications

Description	Option one	Option two	Option three
Display type	Full High Definition (FHD)	Full High Definition (FHD)	Ultra High Definition (UHD)
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):			
Height	165.24 mm (6.51 in.)	165.24 mm (6.51 in.)	165.24 mm (6.51 in.)
Width	293.76 mm (11.57 in.)	293.76 mm (11.57 in.)	293.76 mm (11.57 in.)
Diagonal	337.82 mm (13.30 in.)	337.82 mm (13.30 in.)	337.82 mm (13.30 in.)
Display-panel native resolution	1920 x 1080	1920 x 1080	3840 x 2160
Luminance (typical)	400 nits	400 nits	400 nits
Megapixels	2.07	2.07	8.29
Color gamut	sRGB 100% (typical)	sRGB 100% (typical)	sRGB 100% (typical)
Pixels Per Inch (PPI)	166	166	331
Contrast ratio (typ)	1000:1	1000:1	1000:1
Response time (max)	30 ms	30 ms	30 ms
Refresh rate	60 Hz	60 Hz	60 Hz
Horizontal view angle	89	89	89
Vertical view angle	89	89	89
Pixel pitch	0.15 mm	0.15 mm	0.08 mm
Power consumption (maximum)	2.9 W	2.9 W	5.41 W
Anti-glare vs glossy finish	Glossy	Anti-glare	Glossy
Touch options	Yes	No	Yes

Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 13 9305.

Table 17. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Touch

Table 17. Fingerprint reader specifications (continued)

Description	Values
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your XPS 13 9305.

Table 18. GPU—Integrated

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	11th Generation Intel Core i3
Intel Iris Xe Graphics	Shared system memory	11th Generation Intel Core i5/i7

Computer environment

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

Table 19. 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 (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 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 20. List of keyboard shortcuts

Function key	Re-defined key (for multi-media control)	Behavior
F1	Fn + F1	Mute audio
F2	Fn + F2	Decrease volume
F3	Fn + F3	Increase volume
F4	Fn + F4	Play previous track/chapter
F5	Fn + F5	Play/Pause
F6	Fn + F6	Play next track/chapter
F7	Fn + F7	Task view
F8	Fn + F8	Switch to external display
F9	Fn + F9	Search
F10	Fn + F10	Toggle keyboard backlight (optional)
PrtScr F11	Fn + PrtScr F11	Print screen
Insert F12	Fn + Insert F12	Insert

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 21. 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
Fn + ↑ ☼	Page up/increase brightness
Fn + ↓ ☼	Page down/decrease brightness

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
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support. For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer.
Dell knowledge base articles for a variety of computer concerns	1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select **Support** > **Knowledge Base**. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

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 about your purchase invoice, packing slip, bill, or Dell product catalog.