

XPS 13 2-in-1 (9310 2in1)

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 XPS 13 2-in-1 (9310 2in1)

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.

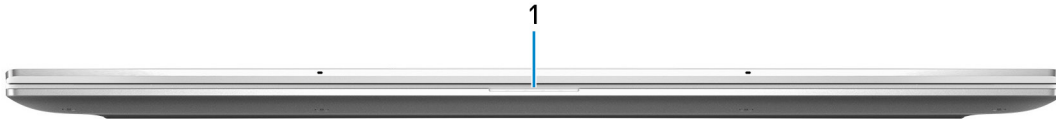
3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps

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>SupportAssist</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 www.dell.com/support.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</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>

Views of XPS 13 2-in-1 (9310 2n1)

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.

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*.

Left



1. Thunderbolt 4 (USB4) USB Type-C port with Power Delivery

Supports up to USB4 Gen 3x2, DisplayPort 1.4a, and Thunderbolt 4, also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 Gen 3x2 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.

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.

Right



1. Thunderbolt 4 (USB4) USB Type-C port with Power Delivery

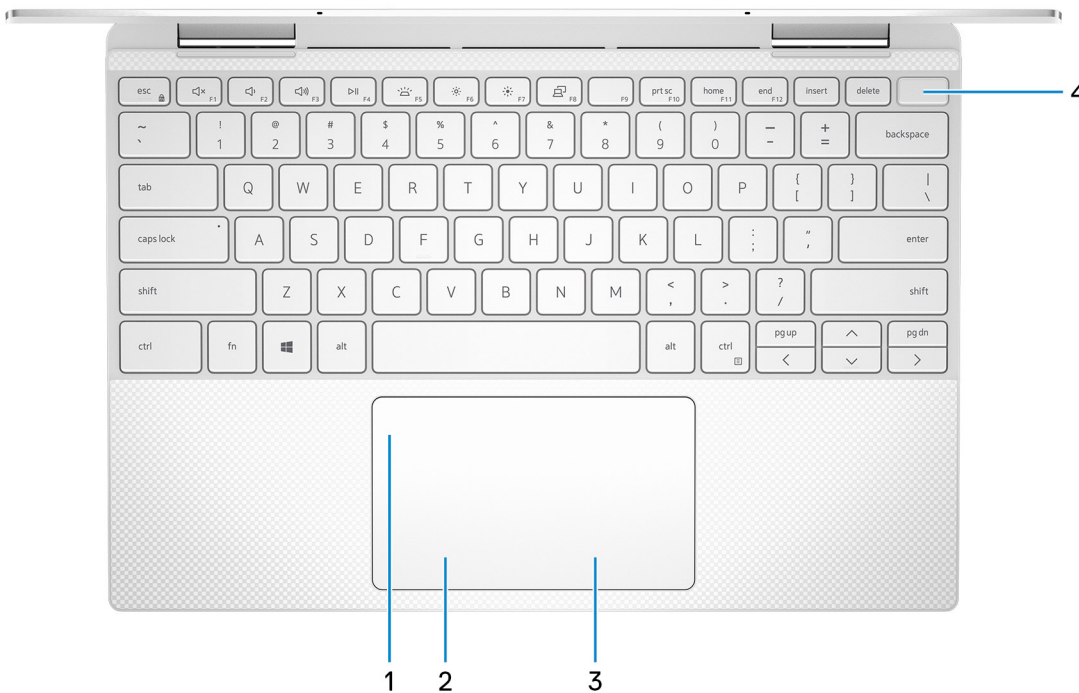
Supports up to USB4 Gen 3x2, DisplayPort 1.4a, and Thunderbolt 4, also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 Gen 3x2 and Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/3 A power output that enables faster charging.

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 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.

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. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Ambient-light sensor

The 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. 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 XPS 13 2-in-1 (9310 2n1)

Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 13 2-in-1 (9310 2n1).

Table 2. Dimensions and weight

Description	Values
Height:	14.35 mm (0.56 in.)
Width	297 mm (11.69 in.)
Depth	207 mm (8.15 in.)
Starting weight	1.32 kg (2.90 lb) <i>i</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 2-in-1 (9310 2n1).

Table 3. Processor

Description	Option one	Option two	Option three	Option Four	Option Five
Processor type	11 th Generation Intel Core i3-1115G4	11 th Generation Intel Core i5-1135G7	11 th Generation Intel Core i5-1145G7	11 th Generation Intel Core i7-1165G7	11 th Generation Intel Core i7-1185G7
Processor wattage	13 W	13 W	15 W	13 W	15 W
Processor core count	2	4	4	4	4
Processor thread count	4	8	8	8	8
Processor speed	Up to 4.1 GHz	Up to 4.2 GHz	Up to 4.4 GHz	Up to 4.7 GHz	Up to 4.8 GHz
Processor cache	6 MB	8 MB	8 MB	12 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your XPS 13 2-in-1 (9310 2n1).

Table 4. Chipset

Description	Values
Chipset	Tiger Lake PCH-LP
Processor	11 th Generation Intel Core i3/i5/i7
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 3

Operating system


Your XPS 13 2-in-1 (9310 2n1) supports the following operating systems:

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

Memory

The following table lists the memory specifications of your XPS 13 2-in-1 (9310 2n1).

Table 5. Memory specifications

Description	Values
Memory slots	N/A  NOTE: The memory modules are integrated on the system board.
Memory type	Dual-channel LPDDR4X
Memory speed	4267 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB at 4267 MHz• 16 GB at 4267 MHz• 32 GB at 4267 MHz

External ports

The following table lists the external ports on your XPS 13 2-in-1 (9310 2n1).



Table 6. External ports

Description	Values
USB ports	Two Thunderbolt 4 (USB4) USB Type-C port with Power Delivery
Audio port	One headset (headphone and microphone combo) port
Video port	N/A
Media-card reader	One micro-SD card slot
Docking port	N/A
Power-adaptor port	USB Type-C port
Security	N/A

Internal slots

The following table lists the internal slots of your XPS 13 2-in-1 (9310 2n1).

Table 7. Internal slots

Description	Values
M.2	One M.2 slot for WiFi and Bluetooth module  NOTE: The wireless module is integrated on the system board. It is not replaceable.  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 .

Communications

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your XPS 13 2-in-1 (9310 2n1)


 **NOTE:** The wireless module is integrated on the system board.

Table 8. Wireless module specifications

Description	Option one	Option two
Model number	Killer 1650s	Intel AX201
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz

Table 8. Wireless module specifications (continued)

Description	Option one	Option two
Wireless standards	<ul style="list-style-type: none">• WiFi 802.11a/b/g• Wi-Fi 4 (WiFi 802.11n)• Wi-Fi 5 (WiFi 802.11ac)• Wi-Fi 6 (WiFi 802.11ax)	<ul style="list-style-type: none">• WiFi 802.11a/b/g• Wi-Fi 4 (WiFi 802.11n)• Wi-Fi 5 (WiFi 802.11ac)• Wi-Fi 6 (WiFi 802.11ax)
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
Bluetooth	Bluetooth 5.1	Bluetooth 5.1

Audio

The following table lists the audio specifications of your XPS 13 2-in-1 (9310 2n1).

Table 9. 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	2
Internal-speaker amplifier	Supported (Audio codec integrated)
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 2-in-1 (9310 2n1).

Your XPS 13 2-in-1 (9310 2n1) supports one of the following storage configurations:

- One 1620 onboard solid-state drive

 **NOTE:** The solid-state drive is integrated on the system board. It is not replaceable.

The primary drive of your XPS 13 2-in-1 (9310 2n1) varies with the storage configuration. For computers:

- with a M.2 drive, the M.2 drive is the primary drive


Table 10. Storage specifications

Storage type	Interface type	Capacity
M.2 1620 solid-state drive	PCIe Gen3 x4 NVMe, up to 32 Gbps	Up to 1 TB

Media-card reader

The following table lists the media cards supported by your XPS 13 2-in-1 (9310 2n1).


Table 11. Media-card reader specifications

Description	Values
Media-card type	One micro-SD card slot
Media-cards supported	<ul style="list-style-type: none">• Micro Secure Digital (mSD)• Micro Secure Digital High Capacity (mSDHC)• Micro Secure Digital Extended Capacity (mSDXC)
<p> NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.</p>	

Keyboard

The following table lists the keyboard specifications of your XPS 13 2-in-1 (9310 2n1).

Table 12. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">• United States and Canada: 81 keys• United Kingdom: 82 keys• Japan: 85 keys
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	<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) changing Function Key Behavior in BIOS setup program.</p> <p>For more information, see Keyboard shortcuts.</p>

Camera

Table 13. Camera specifications

Description		Values
Number of cameras		One
Type		RGB and infrared HD camera
Location		Front camera
Sensor type		CMOS sensor technology
Resolution		
	Camera	
	Still image	0.92 megapixel
	Video	1280 x 720 (HD) at 30 fps
	Infrared camera	
	Still image	0.23 megapixel
	Video	640 x 360 at 15 fps
Diagonal viewing angle		
	Camera	78 degrees
	Infrared camera	78 degrees

Touchpad

The following table lists the touchpad specifications of your XPS 13 2-in-1 (9310 2n1).

Table 14. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	1296
	Vertical	752
Touchpad dimensions:		
	Horizontal	112 mm (4.41 in.)
	Vertical	66.70 mm (2.63 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com .

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

The following table lists the power adapter specifications of your XPS 13 2-in-1 (9310 2n1).

Table 15. 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)

 **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 2-in-1 (9310 2n1).

Table 16. Battery specifications

Description		Values
Battery type		51 Wh, 4-cell "smart" lithium-ion
Battery voltage		7.60 VDC
Battery weight (maximum)		0.23 kg (0.51 lb)
Battery dimensions:		
	Height	5.81 mm (0.23 in.)
	Width	253.40 mm (9.98 in.)
	Depth	105.50 mm (4.15 in.)
Temperature range:		
	Operating	0°C to 45°C (32°F to 113°F)

Table 16. Battery specifications (continued)

Description	Values
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) <i>i</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, <i>Me and My Dell</i> on www.dell.com/	<ul style="list-style-type: none"> • 3 hours (with 45 W adapter) • 2 hours (with 65 W adapter)
Coin-cell battery	Not supported

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.

Display

The following table lists the display specifications of your XPS 13 2-in-1 (9310 2n1).

Table 17. Display specifications

Description	Option one	Option two
Display type	Full High Definition	Ultra High Definition
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):		
Height	180 mm (7.09 in.)	180 mm (7.09 in.)
Width	288 mm (11.34 in.)	288 mm (11.34 in.)
Diagonal	339.60 mm (13.37 in.)	339.60 mm (13.37 in.)
Display-panel native resolution	1920 x 1200	3840 x 2400
Luminance (typical)	450 nits	450 nits
Megapixels	2.304	9.216
Color gamut	100% (sRGB)	100% (sRGB), 90% (DCI-P3)
Pixels Per Inch (PPI)	169.3	338.6
Contrast ratio (min.)	1200:1	1200:1
Response time (max.)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	+/- 85 degrees	+/- 85 degrees
Vertical view angle	+/- 85 degrees	+/- 85 degrees
Pixel pitch	0.15 mm	0.08 mm

Table 17. Display specifications (continued)

Description	Option one	Option two
Power consumption (maximum)	2.89 W	6.18 W
Anti-glare vs glossy finish	Anti-reflective and Anti-smudge	Anti-reflective and Anti-smudge
Touch options	Yes	Yes

Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 13 2-in-1 (9310 2n1).

NOTE: The fingerprint reader is located on the power button.

Table 18. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
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 2-in-1 (9310 2n1).

Table 19. GPU—Integrated

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	11 th Generation Intel Core i3
Intel Iris Xe Graphics	Shared system memory	11 th Generation Intel Core i5/7


Operating and storage environment

This table lists the operating and storage specifications of your XPS 13 2-in-1 (9310 2n1).

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

Table 20. 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)	50% to 90% (non-condensing)	20% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	140 G†	160 G†
Altitude range	3,048 m (10,000 ft)	10,668 m (35,002 ft)

 **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.

* 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:** The possible long-term effects of blue light emission from the monitor may cause personal injury such as digital eye strain, eye fatigue, and damage to the eyes. Using the monitor for extended periods of time may also cause pain in parts of the body such as neck, arm, back, and shoulder.

Dell low blue light display optimizes eye comfort with a flicker-free screen. The low blue light feature is designed to reduce the amount of blue light that is emitted from the monitor to optimize eye comfort.

To reduce the risk of eye strain and neck/arm/back/shoulder pain from using the monitor for long periods of time, we suggest you to:

1. Set the distance of the screen between 20 inches to 28 inches (50 cm-70 cm) from your eyes.
2. Blink frequently to moisten your eyes or wet your eyes with water after prolonged usage of the monitor.
3. Take regular and frequent breaks for 20 minutes every two hours.
4. Look away from your monitor and gaze at a distant object at 20 ft away for at least 20 s during the breaks.
5. Perform stretches to relieve tension in the neck, arm, back, and shoulders during the breaks.

Keyboard shortcuts of XPS 13 2-in-1 (9310 2n1)

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 21. List of keyboard shortcuts

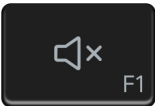
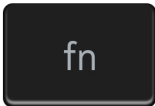
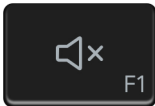
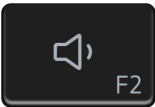
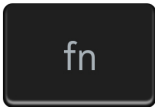
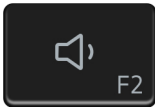
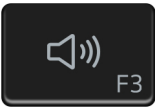
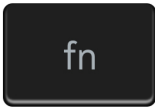
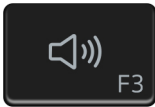
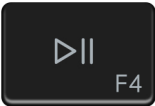
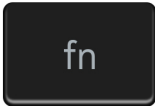
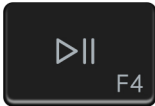

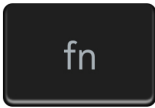

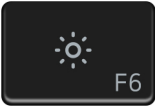
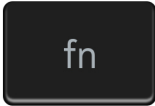
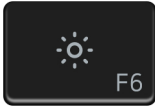





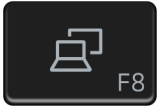






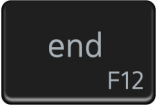
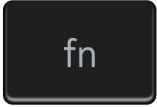
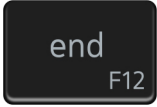







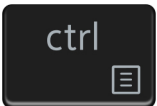

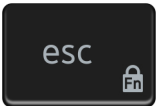
Function key	Redefined key (for multimedia control)	Behavior
 F1	 +  F1	Mute audio
 F2	 +  F2	Decrease volume
 F3	 +  F3	Increase volume
 F4	 +  F4	Play/Pause
 F5	 +  F5	Toggle keyboard backlight
 F6	 +  F6	Decrease brightness
 F7	 +  F7	Increase brightness

Table 21. List of keyboard shortcuts (continued)

Function key	Redefined key (for multimedia control)	Behavior
	 + 	Switch to external display
	 + 	Print screen
	 + 	Home
	 + 	End

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

Table 22. List of keyboard shortcuts



Function key	Behavior
 + 	Pause/Break
 + 	Toggle scroll lock
 + 	System request
 + 	Open application menu
 + 	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 23. 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 <code>Contact Support</code> , 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 for your Dell Laptop .
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> 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.