

Vostro 5320

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 Vostro 5320

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.

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
	Dell Product Registration Register your computer with Dell.
	Dell Help & Support Access help and support for your computer.

Table 1. Locate Dell apps (continued)

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>SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools.</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 on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>Dell Digital Delivery</p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p>

Views of Vostro 5320

Front



1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Privacy shutter

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

3. Camera

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

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.

Right



1. USB 3.2 Gen 1 port

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

2. Headset port

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

Left



1. HDMI port

Connect to a TV, external display or another HDMI-in enabled device. Provides video and audio output.

2. Thunderbolt 4.0 port with Power Delivery and DisplayPort (2)

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

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

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

i **NOTE:** USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

i **NOTE:** Thunderbolt 4 supports two 4K displays or one 8K display.

3. Battery-status light

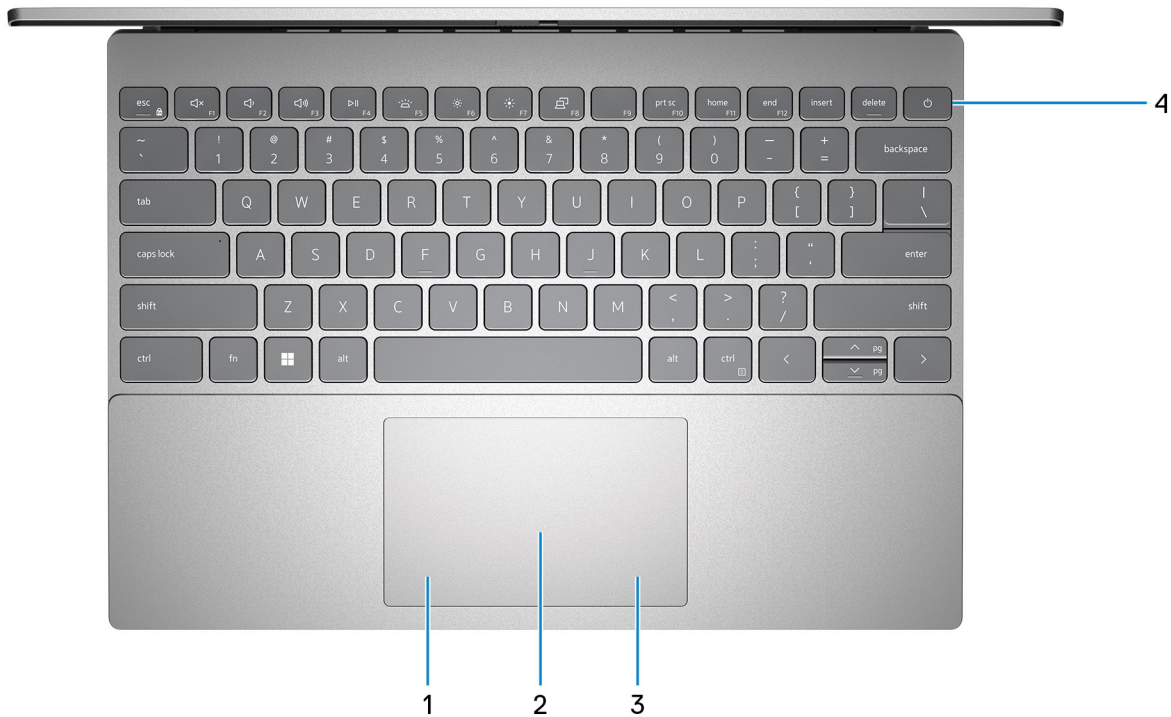
Indicates the battery-charge status.

Solid white—Power adapter is connected and the battery has more than 5% charge.

Amber—Computer is running on battery and the battery has less than 5% charge.

Off—Power adapter is disconnected or the battery is fully charged.

Top



1. Left-click area

Press to left-click.

2. Touchpad

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

3. Right-click area

Press to right-click.

4. Power button with optional fingerprint reader

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

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for four seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.

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

Bottom



1. Left speaker

Provides audio output.

2. Right speaker

Provides audio output.

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.

Battery charge and status light

The following table lists the battery charge and status light behavior of your Vostro 5320.

Table 2. Battery charge and status light behavior

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Off	S0 - S5	Fully Charged
AC Adapter	Solid White	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	> Low to Fully Charged
Battery	Solid Amber (590+/-3 nm)	S0 - S3	<= Low/Critical

- S0 (ON) - The computer is turned on.
- S3 (Sleep) - The computer is in sleep mode.


- S4 (Hibernate) - The computer consumes the least power compared to all other sleep states. The computer is almost at an OFF state, except for a trickle power. The context data is written to hard drive.
- S5 (OFF) - The computer is in a shutdown state.

Specifications of Vostro 5320

Dimensions and weight

The following table lists the height, width, depth, and weight of your Vostro 5320.

Table 3. Dimensions and weight

Description	Values
Height:	
Front height	14.35 mm (0.56 in.)
Rear height	15.65 mm (0.62 in.)
Width	296.68 mm (11.68 in.)
Depth	213.50 mm (8.40 in.)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.30 kg (2.86 lb) - maximum

Processor

The following table lists the details of the processors supported by your Vostro 5320.

Table 4. Processor

Description	Option one	Option two	Option three	Option four
Processor type	12 th Generation Intel Core i5-1240P	12 th Generation Intel Core i7-1260P	12 th Generation Intel Core i5-1235U	12 th Generation Intel Core i3-1215U
Processor wattage	28 W	28 W	15 W	15 W
Processor core count	12	12	10	6
Processor thread count	8	8	12	8
Processor speed	Up to 4.40 GHz	Up to 4.70 GHz	Up to 4.40 GHz	Up to 4.40 GHz
Processor cache	12 MB	18 MB	12 MB	10 MB
Integrated graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel UHD Graphics

Chipset

The following table lists the details of the chipset supported by your Vostro 5320.

Table 5. Chipset

Description	Values
Chipset	Intel 600 Series Chipset
Processor	12 th Generation Intel Core i3/i5/i7
DRAM bus width	32-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen3.0

Operating system

Your Vostro 5320 supports the following operating systems:

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

Memory

The following table lists the memory specifications of your Vostro 5320.

Table 6. Memory specifications

Description	Values
Memory slots	Onboard memory
Memory type	LPDDR5
Memory speed	4800 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB, 2 x 4 GB, LPDDR5, 4800 MHz, dual-channel, integrated• 16 GB, 2 x 8 GB, LPDDR5, 4800 MHz, dual-channel, integrated• 32 GB, 2 x 16 GB, LPDDR5, 4800 MHz, dual-channel, integrated

External ports

The following table lists the external ports on your Vostro 5320.

Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none"> Two USB Type-C Thunderbolt 4 ports with DisplayPort and Power Delivery One USB 3.2 Gen 1 port
Audio port	One Universal audio jack
Video port/ports	One HDMI 1.4 port
Media-card reader	Not supported
Power-adaptor port	Two USB Type-C Thunderbolt 4 ports with DisplayPort and Power Delivery
Security-cable slot	Not supported

Internal slots

The following table lists the internal slots of your Vostro 5320.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for WiFi and Bluetooth combo card One M.2 2230/2280 slot for solid-state drive <p>NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at www.dell.com/support.</p>

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Vostro 5320.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	Intel AX211	Intel AX201
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz
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 6E (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 WEP 	<ul style="list-style-type: none"> 64-bit WEP

Table 9. Wireless module specifications (continued)

Description	Option one	Option two
	<ul style="list-style-type: none"> • 128-bit WEP • AES-CCMP • TKIP 	<ul style="list-style-type: none"> • 128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.2	Bluetooth 5.2

Audio

The following table lists the audio specifications of your Vostro 5320.

Table 10. Audio specifications

Description	Values	
Audio controller	Realtek ALC3204	
Stereo conversion	Supported	
Internal audio interface	High definition audio interface	
External audio interface	<ul style="list-style-type: none"> • Universal audio jack • HDMI 1.4b port 	
Number of speakers	2	
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 Vostro 5320.

Your Vostro 5320 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 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4, up to 64 Gbps	Up to 2 TB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen4 x4, up to 64 Gbps	Up to 1 TB

Keyboard

The following table lists the keyboard specifications of your Vostro 5320.

Table 12. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none"> Standard keyboard Standard backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> 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	<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

The following table lists the camera specifications of your Vostro 5320.

Table 13. Camera specifications

Description	Values
Number of cameras	One
Camera type	FHD Camera
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	2.07 megapixel
Video	1920 x 1080 (HD) at 30 fps
Diagonal viewing angle:	82 degrees

Touchpad

The following table lists the touchpad specifications of your Vostro 5320.

Table 14. Touchpad specifications

Description		Values
Touchpad resolution:		>300 DPI
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 at support.microsoft.com .


Power adapter

The following table lists the power adapter specifications of your Vostro 5320.

Table 15. Power adapter specifications

Description		Values
Type		65 W USB Type-C
Power-adapter dimensions:		
	Height	28 mm (1.10 in.)
	Width	51 mm (2.01 in.)
	Depth	112 mm (4.40 in.)
Input voltage		100 VAC–240 VAC
Input frequency		50 Hz–60 Hz
Input current (maximum)		1.70 A
Output current (continuous)		<ul style="list-style-type: none"> • 20 V/3.25 A (continuous) • 15 V/3 A (continuous) • 9 V/3 A (continuous) • 5 V/3 A (continuous)
Rated output voltage		<ul style="list-style-type: none"> • 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)




Table 15. Power adapter specifications (continued)

Description	Values
 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 Vostro 5320.

Table 16. Battery specifications

Description	Option one	Option two
Battery type	4-cell "polymer" lithium-ion (54 Wh)	4-cell "polymer" lithium-ion (64 Wh)
Battery voltage	15 VDC (Nominal)	15.20 VDC (Nominal)
Battery weight (maximum)	0.24 kg (0.53 lb)	0.26 kg (0.57 lb)
Battery dimensions:		
	Height	271.90 mm (10.70 in.)
	Width	82 mm (3.23 in.)
	Depth	5.75 mm (0.23 in.)
Temperature range:		
	Operating	0°C to 50°C (32°F to 122°F)
	Storage	-20°C to 60°C (-4°F to 140°F)
Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	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, <i>Me and My Dell</i> on www.dell.com .	2 hours (Express charge), 3 hours (Standard charge)	2 hours (Express charge), 3 hours (Standard charge)
Coin-cell battery	CR2032	CR2032
 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.		
 CAUTION: 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.		

Display

The following table lists the display specifications of your Vostro 5320.

Table 17. Display specifications

Description		Option one	Option two
Display type		Full High Definition Plus (FHD+)	Quad-High Definition Plus (QHD+)
Display-panel technology		Wide-Viewing Angle (WVA)	Wide-Viewing Angle (WVA)
Display-panel dimensions (active area):			
	Height	178.80 mm (7.04 in.)	178.80 mm (7.04 in.)
	Width	286.08 mm (11.26 in.)	286.08 mm (11.26 in.)
	Diagonal	337.36 mm (13.28 in.)	337.36 mm (13.28 in.)
Display-panel native resolution		1920 x 1200	2560 x 1600
Luminance (typical)		300 nits	300 nits
Megapixels		2.30	3.07
Color gamut		100% (sRGB) - typical	100% (sRGB) - typical
Pixels Per Inch (PPI)		170	227
Contrast ratio (min.)		1000:1	1200:1
Response time (max.)		35 ms	35 ms
Refresh rate		60 Hz	60 Hz
Horizontal view angle		+/- 80 degrees	+/- 80 degrees
Vertical view angle		+/- 80 degrees	+/- 80 degrees
Pixel pitch		0.149 mm x 0.149 mm	0.11175 mm x 0.11175 mm
Power consumption (maximum)		4.30 W	4.40 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare
Touch options		Not supported	Not supported

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Vostro 5320.

Table 18. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi

Table 18. Fingerprint reader specifications (continued)

Description	Values
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 Vostro 5320.

Table 19. GPU—Integrated

Controller	Memory size	Processor
Intel Iris X ^e Graphics	Shared system memory	12 th Generation Intel Core i5/i7
Intel UHD Graphics	Shared system memory	12 th Generation Intel Core i3


Operating and storage environment

This table lists the operating and storage specifications of your Vostro 5320.

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)	90% (non-condensing)	95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	Not applicable
Shock (maximum)	140 G†	Not applicable
Altitude range	Not applicable	Not applicable

 **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.

Dell ComfortView

CAUTION: Prolonged exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

Blue light is a color in the white light spectrum which has a short wavelength and high frequency. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and change our body's Circadian rhythm. Using the computer for an extended period may also cause fatigue in other body parts such as the neck, arm, back, and shoulder.

Dell low blue light displays optimize eye comfort with a flicker-free screen. The ComfortView feature reduces the amount of blue light emitted from the monitor to optimize eye comfort. ComfortView mode can be enabled and configured using the **Dell CinemaColor** (DCC) application. Dell ComfortView has been certified by TÜV Rheinland as a low blue light software solution.

Dell CinemaColor

Dell CinemaColor (DCC) combines the hardware and software to deliver clear visuals that appear every bit as vibrant as the world around you. The DCC has four color profiles that optimize these settings depending on the content and your surroundings.

When you open DCC, you can choose **Movie (default)**, **ComfortView**, **Sports**, or **Animation** from the list. The ComfortView Profile optimizes eye comfort with a Low Blue Light software solution that meets TÜV standards to reduce harmful blue light emissions to make extended screen time easy on your eyes compared to standard digital panels while still retaining the vibrant colors.

ComfortView mode is certified by TÜV for the effective reduction of hazardous blue light by adjusting display parameters. You can adjust the Saturation, Temperature, and Contrast values to create your custom setting in the ComfortView mode.

NOTE: For more information on DellCinema components see KB article [000178241](https://www.dell.com/support) at <https://www.dell.com/support>.

ComfortView Plus

ComfortView Plus is a built-in, always-on, and virtually unnoticeable low blue light solution for Dell displays. ComfortView Plus employs a hardware-based design that allows for a wider blue spectrum, with a much lower peak and reduced intensity. Dell ComfortView Plus has been certified by TÜV Rheinland as a low blue light hardware solution. This feature is enabled at the factory.

NOTE: ComfortView Plus is an optional hardware feature to be configured at the point of sale.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 in. to 28 in. (50 cm and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

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 21. 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	Click keyboard backlight (optional) NOTE: Non-backlight keyboards have F5 function key without the backlight icon and do not support toggle keyboard backlight function. NOTE: Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight.
F6	Fn + F6	Decrease brightness
F8	Fn + F8	Increase brightness
F10	Fn + F10	Print Screen
F11	Fn + F11	Home
F12	Fn + F12	End

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

Table 22. Secondary behavior

Function key	Behavior
Fn + PrtScr	Turn off/on wireless
Fn + B	Pause/Break

Table 22. Secondary behavior (continued)



Function key	Behavior
Fn + Insert	Sleep
Fn + S	Toggle scroll lock
Fn + R	System request
Fn + Ctrl	Open application menu
Fn + Esc	Toggle Fn-key lock
Fn + PgUp	Page up
Fn + PgDn	Page down
Fn + Home	Home
Fn + End	End
Fn + T	Toggle Ultra performance mode with on-screen notification

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 on your computer .
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.