

Inspiron 5300

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.

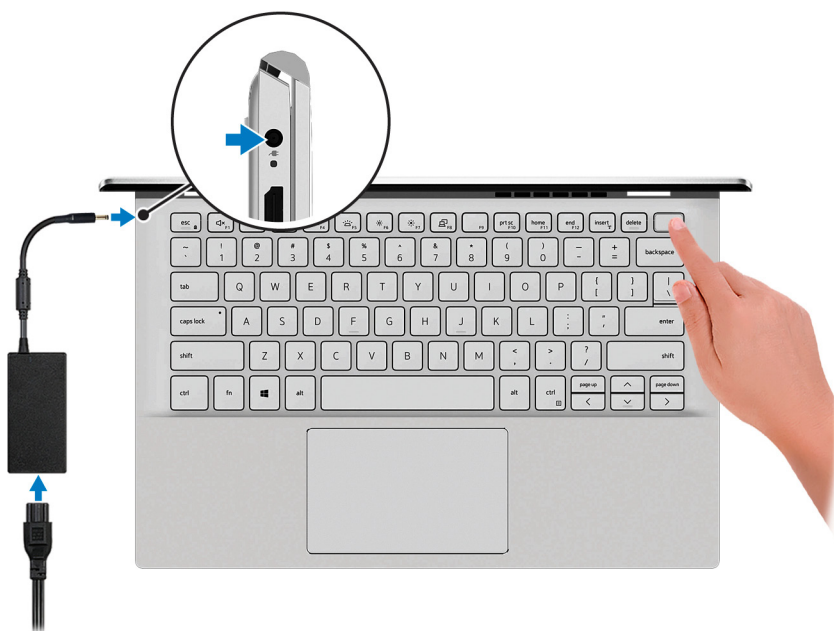
© 2020 Dell Inc. or its subsidiaries. All rights reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

1 Set up your Inspiron 5300.....	4
2 Views of Inspiron 5300.....	6
Right.....	6
Left.....	6
Base.....	7
Display.....	8
Bottom.....	9
3 Specifications of Inspiron 5300.....	10
Dimensions and weight.....	10
Processor.....	10
Chipset.....	10
Operating system.....	11
Memory.....	11
External ports.....	11
Internal slots.....	12
Wireless module.....	12
Audio.....	12
Storage.....	13
Intel Optane Memory H10 with solid-state storage (optional).....	13
Media-card reader.....	14
Keyboard.....	14
Camera.....	14
Touchpad.....	15
Power adapter.....	15
Battery.....	16
Display.....	16
Fingerprint reader (optional).....	17
GPU—Integrated.....	18
GPU—Discrete.....	18
Operating and storage environment.....	18
4 Keyboard shortcuts.....	19
5 Getting help and contacting Dell.....	21

Set up your Inspiron 5300

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
	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.

Resources

Description



SupportAssist

Pro-actively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at www.dell.com/support.

 **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 [SLN305843](https://www.dell.com/support/article/SLN305843) at www.dell.com/support.



Dell Digital Delivery

Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article [153764](https://www.dell.com/support/article/153764) at www.dell.com/support.

Views of Inspiron 5300

Right



1. microSD-card slot

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

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

2. Headset port

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

3. USB 3.2 Gen 1 port

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

Left



1. Power-adaptor port

Connect a power adapter to provide power to your computer.

2. HDMI port

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

3. USB 3.2 Gen 1 port

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

4. USB 3.2 Gen 1 (Type-C) port with Power Delivery/DisplayPort

Connect peripherals such as external storage devices, printers, and external displays.

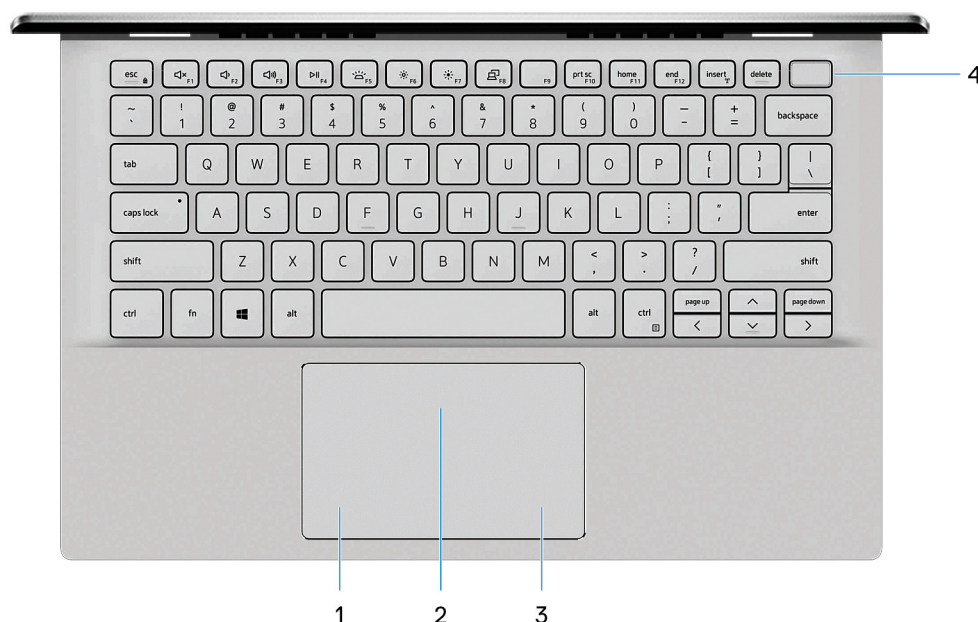
Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

NOTE:

The Dell Adapter USB-C to USB-A 3.0 is shipped with this computer. Use this adapter to connect legacy USB 3.0 accessories to USB (Type-C) ports on your computer.

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

Base



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 finger 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 4 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.

Display



1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Camera

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

3. Camera-status light

Turns on when the camera is in use.

4. 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.

Specifications of Inspiron 5300

Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 5300.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	13.94 mm (0.55 in.)
Rear height	15.85 mm (0.62 in.)
Width	305.96 mm (12.05 in.)
Depth	203.40 mm (8.01 in.)
Weight (maximum)	1.23 kg (2.71 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 Inspiron 5300.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	10 th Generation Intel Core i3	10 th Generation Intel Core i5	10 th Generation Intel Core i7
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 4.9 GHz
Processor cache	4 MB	6 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel UHD Graphics

Chipset

The following table lists the details of the chipset supported by your Inspiron 5300.

Table 4. Chipset

Description	Values
Chipset	Integrated in the processor

Description	Values
Processor	10 th Generation Intel Core i3/i5/i7
DRAM bus width	64-bit
Flash EPROM	16+8 MB
PCIe bus	Up to Gen3

Operating system

Your Inspiron 5300 supports the following operating systems:

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu 18.04 LTS (64-bit)

Memory

The following table lists the memory specifications of your Inspiron 5300.

Table 5. Memory specifications

Description	Values
Memory slots	Onboard system memory
Memory type	Single-channel DDR4
Memory speed	2666 MHz
Maximum memory configuration	8 GB
Minimum memory configuration	4 GB
Memory configurations supported	<ul style="list-style-type: none"> • 4 GB, 1 x 4 GB, Single-Channel DDR4, 2666 MHz • 8 GB, 1 x 8 GB, Single-Channel DDR4, 2666 MHz

External ports

The following table lists the external ports on your Inspiron 5300.

Table 6. External ports

Description	Values
USB ports	<ul style="list-style-type: none"> • One USB 3.2 Gen 1 (Type-A) port • One USB 3.2 Gen 1 (Type-A) port • One USB 3.2 Gen 1 (Type-C) with DisplayPort 1.2 port
Audio port	One headset (headphone and microphone combo) port
Video port	One HDMI 1.4 port
Media-card reader	One microSD card slot
Docking port	Not supported
Power-adaptor port	One 4.5 mm x 2.9 mm DC-in

Description	Values
Security	Not applicable

Internal slots

The following table lists the internal slots of your Inspiron 5300.

Table 7. Internal slots

Description	Values
M.2	Two M.2 2230/2280 slots for solid-state drives
	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 .

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Inspiron 5300.

Table 8. Wireless module specifications

Description	Option one	Option two	Option three
Model number	Intel AX201	Intel 9462	Qualcomm QCA61x4A (DW1820)
Transfer rate	Up to 2400 Mbps	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 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 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) 	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac)
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 	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP
Bluetooth	Bluetooth 5.1	Bluetooth 5	Bluetooth 5

Audio

The following table lists the audio specifications of your Inspiron 5300.

Table 9. Audio specifications

Description	Values
Audio controller	Realtek ALC3204
Stereo conversion	Supported
Internal audio interface	High-definition audio
External audio interface	Universal audio jack
Number of speakers	Two

Description	Values
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	Dual-array microphones

Storage

This section lists the storage options on your Inspiron 5300.

Your Inspiron 5300 supports one of the following storage configurations:

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

The primary drive of your Inspiron 5300 varies with the storage configuration. For computers with the M.2 2230/2280 solid-state drive, the primary drive is the designated boot drive.

Table 10. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe Gen3 x4 NVMe, up to 32 Gbps	Up to 1 TB
M.2 2280 solid-state drive	PCIe Gen3 x4 NVMe, up to 32 Gbps	Up to 1 TB

Intel Optane Memory H10 with solid-state storage (optional)

Intel Optane Memory technology utilizes 3D XPoint memory technology and functions as a non-volatile storage cache/accelerator and/or storage device depending on the Intel Optane Memory installed in your computer.

Intel Optane Memory H10 with solid-state storage functions as both a non-volatile storage cache/accelerator (enabling enhanced read/write speeds for hard-drive storage) and a solid-state storage solution. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 11. Intel Optane Memory H10 with solid-state storage specifications

Description	Values
Interface	PCIe 3 x4 NVMe <ul style="list-style-type: none"> • One PCIe 3 x4 for Optane memory • One PCIe 3 x2 for solid-state storage
Connector	M.2
Form factor	2230/2280
Capacity (Intel Optane memory)	Up to 32 GB
Capacity (solid-state storage)	Up to 512 GB

NOTE: Intel Optane Memory H10 with solid-state storage is supported on computers that meet the following requirements:

- 9th Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

Media-card reader

The following table lists the media cards supported by your Inspiron 5300.

Table 12. Media-card reader specifications

Description	Values
Media-card type	One microSD card slot
Media-cards supported	Micro Secure Digital (mSD)

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 Inspiron 5300.

Table 13. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none"> • Backlit keyboard • Non-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=18.7 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>

For more information, see [Keyboard shortcuts](#).

Camera

The following table lists the camera specifications of your Inspiron 5300.

Table 14. Camera specifications

Description	Values
Number of cameras	One camera

Description	Values
Camera type	HD RGB camera
Camera location	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:	74.9 degrees

Touchpad

The following table lists the touchpad specifications of your Inspiron 5300.

Table 15. Touchpad specifications

Description	Values
Touchpad resolution:	
Horizontal	1229
Vertical	749
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 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your Inspiron 5300.

Table 16. Power adapter specifications

Description	Option one	Option two
Type	45 W	65 W
Connector dimensions:		
External diameter	4.50 mm	4.50 mm
Internal diameter	2.90 mm	2.90 mm
Input voltage	100 VAC–240 VAC	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)	1.30 A	1.60 A
Output current (continuous)	2.31 A	3.34 A
Rated output voltage	19.50 VDC	19.50 VDC

Description	Option one	Option two
Temperature range:		
Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

Battery

The following table lists the battery specifications of your Inspiron 5300.

Table 17. Battery specifications

Description	Option one	Option two
Battery type	3-cell "smart" lithium-ion (40Whr)	4-cell "smart" lithium-ion (53Whr)
Battery voltage	11.40 VDC	15.20 VDC
Battery weight (maximum)	0.18 kg (0.40 lb)	0.24 kg (0.53 lb)
Battery dimensions:		
Height	184.10 mm (7.25 in.)	239.10 mm (9.41 in.)
Width	90.73 mm (3.57 in.)	90.73 mm (3.57 in.)
Depth	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
Temperature range:		
Operating	0°C to 35°C (32°F to 95°F)	0°C to 35°C (32°F to 95°F)
Storage	-40°C to 65°C (-40°F to 149°F)	-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.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate)	4 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, <i>Me and My Dell</i> on www.dell.com/</i>	4 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, <i>Me and My Dell</i> on www.dell.com/</i>
Battery life span (approximate)	300 discharge/charge cycles	300 discharge/charge cycles
Coin-cell battery	CR-2032	CR-2032

Display

The following table lists the display specifications of your Inspiron 5300.

Table 18. Display specifications

Description	Values
Display type	13-inch FHD
Display-panel technology	Narrow border with wide viewing angle (WVA)

Description	Values
Display-panel dimensions (active area):	
Height	165.24 mm (6.51 in.)
Width	293.76 mm (11.57 in.)
Diagonal	337.82 mm (13.30 in.)
Display-panel native resolution	1920 x 1080
Luminance (typical)	300 nits
Megapixels	2.07
Color gamut	95% sRGB
Pixels Per Inch (PPI)	166
Contrast ratio (min)	600:1
Response time (max)	35 ms
Refresh rate	60 Hz
Horizontal view angle	80 +/- degrees
Vertical view angle	80 +/- degrees
Pixel pitch	0.153 mm x 0.153 mm
Power consumption (maximum)	4 W
Anti-glare vs glossy finish	Anti-glare
Touch options	No

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Inspiron 5300.

Table 19. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor area	5.49 mm x 4.47 mm
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 Inspiron 5300.

Table 20. GPU—Integrated

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

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 5300.

Table 21. GPU—Discrete

Controller	External display support	Memory size	Memory type
Nvidia GeForce MX330	Not applicable	2 GB	DDR5

Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 5300.

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

Table 22. 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)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	140 G†	160 G†
Altitude (maximum)	0 m to 3048 m (0 ft to 10000 ft)	0 m to 10668 m (0 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.

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 23. List of keyboard shortcuts

Function key	Re-defined key (for multi-media control)	Behavior
	 + 	Mute audio
	 + 	Decrease volume
	 + 	Increase volume
	 + 	Play/Pause
	 + 	Toggle keyboard backlight (optional)
	 + 	Decrease brightness
	 + 	Increase brightness
	 + 	Switch to external display
	 + 	Print screen

Function key	Re-defined key (for multi-media control)	Behavior
		Home
		End

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

Table 24. List of keyboard shortcuts



Function key	Behavior
	Pause/Break
	Sleep
	Toggle between power and battery-status light/hard-drive activity light
	Toggle scroll lock
	System request
	Open application menu
	Toggle Fn-key lock
	Page up
	Page down

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 25. 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 www.dell.com/support
Troubleshooting information, user manuals, set up 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	<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.
Learn and know the following information about your product:	<p>See <i>Me and My Dell</i> at www.dell.com/support/manuals.</p> <p>To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following:</p> <ul style="list-style-type: none"> • 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 about your purchase invoice, packing slip, bill, or Dell product catalog.