Inspiron 15 3520

Setup and Specifications

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DELL Technologies

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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1

Set up your Inspiron 15 3520

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, search in the Knowledge Base Resource at Dell Support Site.

   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 in Windows in S Mode

Resources	Description
	**Dell Product Registration** Register your computer with Dell.
	**Dell Help & Support** Access help and support for your computer.
	**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 Serviceability Tools at the Dell Support Site. Click **SupportAssist** and then, click **SupportAssist for Home PCs**. **NOTE:** In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.

Table 2. Locate Dell apps in Windows

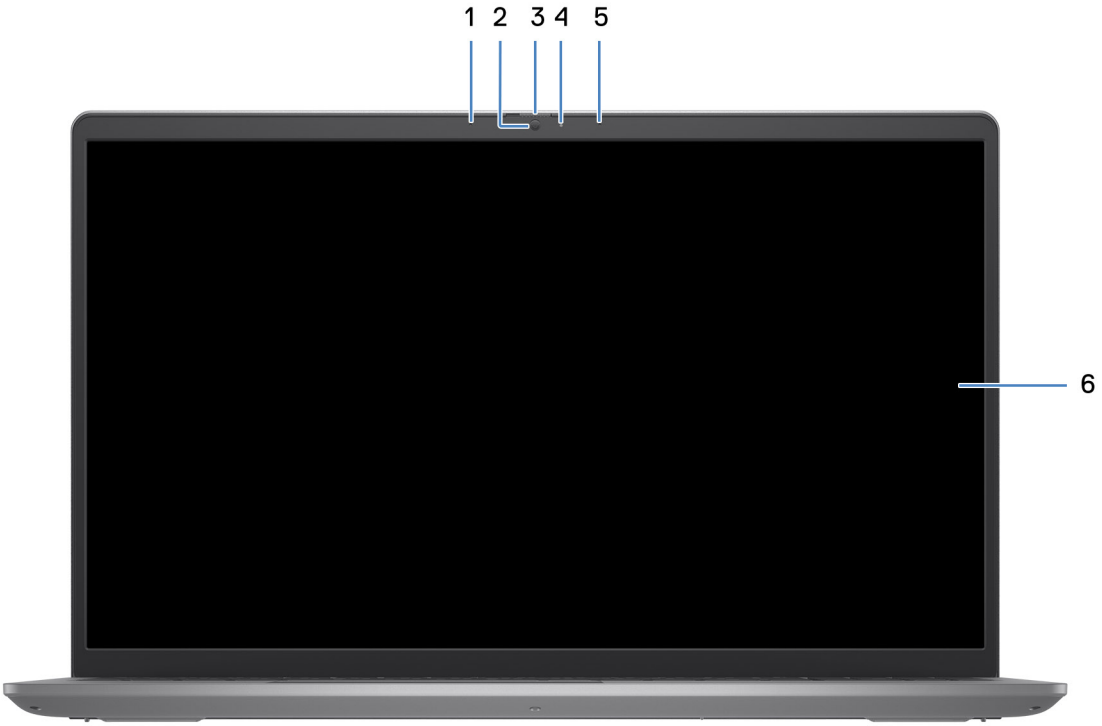
Resources	Description
	**My Dell** Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.
	**Dell Update** Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at Dell Support Site.
	**Dell Digital Delivery** 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 Dell Support Site.
	**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 Serviceability Tools at the Dell Support Site. Click **SupportAssist** and then, click **SupportAssist for Home PCs**. **NOTE:** In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.

2

Views of Inspiron 15 3520

Front

CAUTION: The maximum operating angle for the display-panel hinge is 135 degrees.



1. **Left microphone (optional)**

   Provides digital sound input for audio recording and voice calls.

2. **Camera**

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

3. **Privacy shutter (optional)**

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

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.

6. **LCD panel**

   Provides visual output to the user.

Right



1. **SD-card slot**

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

   - Secure Digital (SD)
   - Secure Digital High Capacity (SDHC)
   - Secure Digital Extended Capacity (SDXC)

2. **USB 2.0 port**

   Connect devices such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps.

3. **Headset (headphone and microphone combo) port**

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

Left



1. **Power-adapter port**

   Connect a power adapter to provide power to your computer and charge the battery.

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

   Indicates the power state and battery state of the computer.

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

   Solid amber—Battery charge is low or critical.

   Off—Battery is fully charged.

   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*.

3. **HDMI 1.4 port**

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

4. **USB 3.2 Gen 1 port**

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

5. **USB 3.2 Gen 1 port (optional)**

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

With Type-C port



1. **Power-adapter port**

   Connect a power adapter to provide power to your computer and charge the battery.

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

   Indicates the power state and battery state of the computer.

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

   Solid amber—Battery charge is low or critical.

   Off—Battery is fully charged.

   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*.

3. **HDMI 1.4 port**

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

4. **USB 3.2 Gen 1 port**

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

5. **USB 3.2 Gen 1 (Type-C) port with DisplayPort (optional)**

   Connect to external storage devices. Provides data transfer speeds up to 5 Gbps.

   This port also supports video/audio streaming (only on 12th Gen processors).

Top



1. **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.



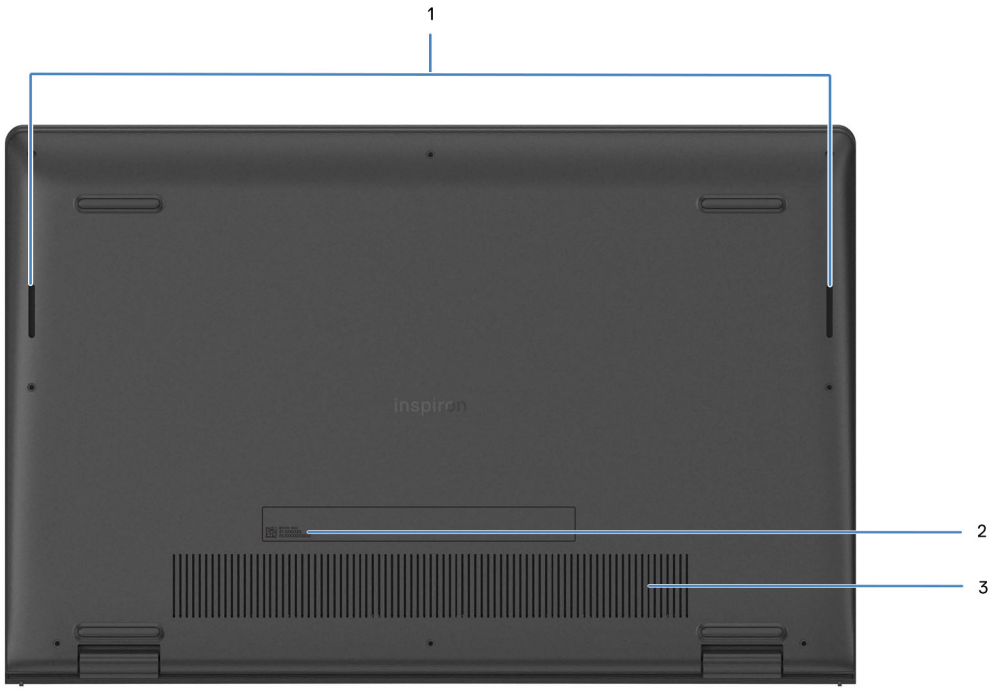
   NOTE: The highlighted area indicates the actual active fingerprint reader area, and the image is for illustration purposes only.

   NOTE: You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at Dell Support Site.

2. **Touchpad**

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

Bottom



1. **Speakers**

   Provide audio output.

2. **Service Tag and regulatory labels**

   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. The regulatory label contains regulatory information of your computer.

3. **Air vents**

   Air vents provide ventilation for your computer. Clogged air vents can cause overheating and can affect your computer's performance and potentially cause hardware issues. Keep the air vents clear of obstructions and clean them regularly to prevent build-up of dust and dirt. For more information about cleaning air vents, search for articles in Knowledge Base Resource at Dell Support Site.

3

Specifications of Inspiron 15 3520

Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 15 3520.

Table 3. Dimensions and weight

Description	Plastic	Aluminum
Height:		
Front height	16.96 mm (0.66 in.)	15.52 mm (0.61 in.)
Rear height	18.99 mm (0.74 in.)	17.50 mm (0.69 in.)
Width	358.50 mm (14.11 in.)	358.50 mm (14.11 in.)
Depth	235.56 mm (9.27 in.)	234.90 mm (9.24 in.)
Weight **NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability.	Minimum - >1.66 kg (3.65 lb) Maximum - 1.90 kg (4.19 lb)	Minimum - >1.63 kg (3.59 lb) Maximum - 1.94 kg (4.27 lb)

Processor

The following table lists the details of the processors supported by your Inspiron 15 3520.

Table 4. Processor

Description	Option one	Option two	Option three	Option four
Processor type	11th Generation Intel Core i7-1165G7	11th Generation Intel Core i5-1155G7	11th Generation Intel Core i5-1135G7	11th Generation Intel Core i3-1115G4
Processor wattage	15 W	15 W	15 W	15 W
Processor total core count	4	4	4	2
Performance-cores	NA	NA	NA	NA
Efficient-cores	NA	NA	NA	NA
Processor total thread counts **NOTE:** Intel Hyper-Threading Technology is available only on Performance-cores.	8	8	8	4
Processor speed	2.80 GHz to 4.70 GHz	2.50 GHz to 4.50 GHz	2.40 GHz to 4.20 GHz	3.0 GHz to 4.10 GHz
Performance-cores frequency				
Processor base frequency	NA	NA	NA	NA
Maximum turbo frequency	NA	NA	NA	NA
Efficient-cores frequency				
Processor base frequency	NA	NA	NA	NA
Maximum turbo frequency	NA	NA	NA	NA
Processor cache	12 MB	8 MB	8 MB	6 MB
Integrated graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel UHD Graphics

Table 5. Processor

Description	Option five	Option six	Option seven	Option eight
Processor type	Intel Pentium Gold 7505	12th Generation Intel Core i7-1255U	12th Generation Intel Core i5-1235U	12th Generation Intel Core i3-1215U
Processor wattage	15 W	15 W	15 W	15 W
Processor total core count	2	10	10	6
Performance-cores	NA	2	2	2
Efficient-cores	NA	8	8	4
Processor total thread counts **NOTE:** Intel® Hyper-Threading Technology is only available on Performance-cores.	4	12	12	8
Processor speed	2.00 GHz to 3.50 GHz	1.70 GHz to 4.70 GHz	1.30 GHz to 4.40 GHz	1.20 GHz to 4.40 GHz
Performance-cores frequency				
Processor base frequency	NA	1.70 GHz	1.30 GHz	1.20 GHz
Maximum turbo frequency	NA	4.70 GHz	4.40 GHz	4.40 GHz
Efficient-cores frequency				
Processor base frequency	NA	1.70 GHz	1.30 GHz	1.20 GHz
Maximum turbo frequency	NA	3.50 GHz	3.30 GHz	3.30 GHz
Processor cache	4 MB	12 MB	12 MB	10 MB
Integrated graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel UHD Graphics

Table 6. Processor

Description	Option nine	Option ten
Processor type	Intel Pentium Gold 8505	Intel Celeron 7305
Processor wattage	15 W	15 W
Processor total core count	5	5
Performance-cores	1	1
Efficient-cores	4	4
Processor total thread counts **NOTE:** Intel® Hyper-Threading Technology is only available on Performance-cores.	6	5
Processor speed	1.20 GHz to 4.40 GHz	Up to 1.10 GHz
Performance-cores frequency		
Processor base frequency	1.20 GHz	1.10 GHz
Maximum turbo frequency	4.40 GHz	NA
Efficient-cores frequency		
Processor base frequency	1.20 GHz	1.10 GHz
Maximum turbo frequency	3.30 GHz	NA
Processor cache	8 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics

Chipset

The following table lists the details of the chipset that is supported for your Inspiron 15 3520.

Table 7. Chipset

Description	Option one	Option two
Processors	• 11th Generation Intel Core i3/i5/i7 • Intel Pentium	• 12th Generation Intel Core i3/i5/i7 • Intel Celeron/Pentium
Chipset	Intel Tiger Lake (Integrated with the processor)	Intel Alder Lake (Integrated with the processor)
DRAM bus width	64-bit	64-bit
Flash EPROM	8 MB + 16 MB	32 MB
PCIe bus	Up to Gen 3	Up to Gen 4

Operating system

Your Inspiron 15 3520 supports the following operating systems:

- Windows 11 Home in S-mode, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Ubuntu 20.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Inspiron 15 3520.

Table 8. Memory specifications

Description	Values
Memory slots	Two SODIMM
Memory type	DDR4
Memory speed	• 2666 MT/s (With non-Type-C configuration) • 3200 MT/s (With Type-C configuration) **NOTE:** Systems with 11th Generation Intel Core (or Tiger Lake) do not offer Type-C.
Maximum memory configuration	16 GB
Minimum memory configuration	4 GB
Memory size per slot	4 GB, 8 GB, 16 GB
Memory configurations supported	• 4 GB, 1 x 4 GB, DDR4 • 8 GB, 1 x 8 GB, DDR4 • 12 GB, 1 x 4 GB + 1 X 8 GB, DDR4 • 16 GB, 1 x 16 GB, DDR4 • 8 GB, 2 x 4 GB, DDR4, dual-channel • 16 GB, 2 x 8 GB, DDR4, dual-channel

External ports

The following table lists the external ports on your Inspiron 15 3520.

Table 9. External ports

Description	Values
USB ports	• Two USB 3.2 Gen 1 ports (on systems configured with non-Type-C) • One USB 3.2 Gen 1 port (on systems configured with Type-C) • One USB 3.2 Gen 1 Type-C port with DisplayPort 1.4 (on systems configured with Type-C) • One USB 2.0 port **NOTE:** Systems with 11th Generation Intel Core (or Tiger Lake) do not offer Type-C.

Table 9. External ports (continued)

Description	Values
Audio port	One headset (headphone and microphone combo) port
Video port/ports	• One HDMI 1.4 port • One USB 3.2 Gen 1 Type-C port with DisplayPort 1.4 (on systems configured with Type-C)
Media-card reader	One SD-card slot
Power-adapter port	One 65 W AC adapter, 4.5 mm barrel
Security-cable slot	N/A

Internal slots

The following table lists the internal slots of your Inspiron 15 3520.

Table 10. Internal slots

Description	Values
M.2	• One M.2 2230 slot for Wi-Fi and Bluetooth card • One M.2 slot for 2230/2280 for solid-state drive **NOTE:** To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at Dell Support Site.

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Inspiron 15 3520.

Table 11. Wireless module specifications

Description	Option one	Option two	Option three
Model number	Realtek RTL8821CE	Intel 9462	Intel AX201 (optional)
Transfer rate	Up to 433 Mbps	Up to 433 Mbps	Up to 2400 Mbps
Frequency bands supported	2.40 GHz/5.00 GHz	2.40 GHz/5.00 GHz	2.4 GHz/5.00 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (WiFi 802.11ac)	• WiFi 802.11a/b/g • Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (Wi-Fi 802.11ac)	• WiFi 802.11a/b/g • Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (Wi-Fi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth wireless card	Bluetooth 5.0	Bluetooth 5.1	Bluetooth 5.2
	NOTE: The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.		

Audio

The following table lists the audio specifications of your Inspiron 15 3520.

Table 12. Audio specifications

Description		Values
Audio controller		• Realtek ALC3204 • Realtek ALC3254 • Cirrus CS8409 (CS42L42 + SN005825)
Stereo conversion		Supported
Internal audio interface		High definition audio interface
External audio interface		One headset (headphone and microphone combo) port
Number of speakers		Two
Internal-speaker amplifier		• Supported • TI - TAS5825 (with Cirrus controller)
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		• Single integrated microphone (Plastic) • Dual-array microphone (Aluminum)

Storage

This section lists the storage options on your Inspiron 15 3520.

Your computer supports one of the following configurations:

- One 2.5-inch 5400 RPM, SATA hard-disk drive

  NOTE: Systems with 11th Generation Intel Core (or Tiger Lake) do not offer hard drive configuration.

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

The primary drive of your computer varies with the storage configuration. For computers:

- with a 2.5-inch hard-drive, the 2.5-inch hard-drive is the primary drive
- with a M.2 2230/2280 drive, the M.2 2230/2280 drive is the primary drive

Table 13. Storage specifications

Storage type	Interface type	Capacity
2.5-inch 5400 rpm, hard-disk drive	SATA	Up to 2 TB
M.2 2230 solid-state drive	PCIe NVMe 3x4	Up to 1 TB
M.2 2230 solid-state drive	PCIe NVMe 4x4	Up to 1 TB
M.2 2280 solid-state drive	PCIe NVMe 4x4	Up to 2 TB

Table 13. Storage specifications (continued)

Storage type	Interface type	Capacity
M.2 2280 solid-state drive, QLC	PCIe NVMe 3x4	Up to 1 TB

Media-card reader

The following table lists the media cards that are supported on your Inspiron 15 3520.

Table 14. Media-card reader specifications

Description	Values
Media-card type	One SD 3.0 card
Media-cards supported	• Secure Digital (SD) • Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC)
NOTE: The maximum capacity that is supported by the media-card reader varies depending on the standard of the media card that is installed on your computer.	

Keyboard

The following table lists the keyboard specifications of your Inspiron 15 3520.

Table 15. Keyboard specifications

Description	Values
Keyboard type	• Carbon, Standard backlit keyboard • Carbon, Standard non-backlit keyboard
Keyboard layout	QWERTY
Number of keys	• United States and Canada: 99 keys • United Kingdom: 100 keys • Japan: 103 keys
Keyboard size	X=18.70 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.

Camera

The following table lists the camera specifications of your Inspiron 15 3520.

Table 16. Camera specifications

Description		Plastic	Aluminum
Number of cameras		One	One
Camera type		HD camera	FHD RGB camera
Camera location		Front camera	Front camera
Camera sensor type		CMOS sensor technology	CMOS sensor technology
Camera resolution:			
	Still image	0.92 megapixel	2 megapixels
	Video	1280 x 720 (HD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle:		78.60 degrees	82 degrees

Touchpad

The following table lists the touchpad specifications of your Inspiron 15 3520.

Table 17. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	> 300 DPI
	Vertical	> 300 DPI
Touchpad dimensions:		
	Horizontal	115 mm (4.52 in.)
	Vertical	80 mm (3.14 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft Knowledge Base article at Microsoft Support Site.

Power adapter

The following table lists the power adapter specifications of your Inspiron 15 3520.

Table 18. Power adapter specifications

Description	Values
Type	65 W AC adapter, 4.5 mm barrel
Connector dimensions:	

Table 18. Power adapter specifications (continued)

Description		Values
	External diameter	2.90 mm (0.11 in.)
	Internal diameter	4.50 mm (0.17 in.)
Input voltage		100 VAC x 240 VAC
Input frequency		50 Hz x 60 Hz
Input current (maximum)		1.70 A
Output current (continuous)		3.34 A
Rated output voltage		19.50 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 Inspiron 15 3520.

Table 19. Battery specifications

Description		Option one	Option two
Battery type		3-cell, 41 Wh lithium-polymer	4-cell, 54 Wh lithium-polymer
Battery voltage		11.25 VDC	15.0 VDC
Battery weight (maximum)		0.19 kg (0.41 lb)	0.24 kg (0.55 lb)
Battery dimensions:			
	Height	206.40 mm (8.12 in.)	271.90 mm (10.70 in.)
	Width	82.00 mm (3.22 in.)	82.00 mm (3.22 in.)
	Depth	5.75 mm (0.22 in.)	5.75 mm (0.22 in.)
Temperature range:			
	Operating	When charging battery: • Initiate charging: 0°C to 45°C (32°F to 113°F) • Upper limit for charging (maximum): 50°C (122°F) When discharging battery: • Normal discharging: 0°C to 60°C (32°F to 140°F) • Over temperature protection (maximum): 70°C (158°F)	When charging battery: • Initiate charging: 0°C to 45°C (32°F to 113°F) • Upper limit for charging (maximum): 50°C (122°F) When discharging battery: • Normal discharging: 0°C to 60°C (32°F to 140°F) • Over temperature protection (maximum): 70°C (158°F)

Table 19. Battery specifications (continued)

Description		Option one	Option two
		NOTE: The battery does not allow discharge past this temperature.	**NOTE:** The battery does not allow discharge past this temperature.
	Storage	-20°C to 60°C (-4°F to 140°F)	-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 about Dell Power Manager, search in the Knowledge Base Resource at Dell Support Site.		**Standard Charge/Predominately AC User Charge Method:** • 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours **Express Charge Method:** • 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16 - 45°C normal express charge • 46 - 50°C maximum allowable charge time from 0 to 80% RSOC is 1 hours charge time from 0 to 100% RSOC is 2 hours **Express Charge Boost Charge Method (Fast Charge for Initial 35%):** • 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge	**Standard Charge/Predominately AC User Charge Method:** • 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours **Express Charge Method:** • 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16 - 45°C normal express charge • 46 - 50°C maximum allowable charge time from 0 to 80% RSOC is 1 hours charge time from 0 to 100% RSOC is 2 hours **Express Charge Boost Charge Method (Fast Charge for Initial 35%):** • 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge
Coin-cell battery		NA	NA

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 Technologies recommends that you charge the battery regularly for optimal power consumption. If your battery charge is 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 Inspiron 15 3520.

Table 20. Display specifications

Description	Option one	Option two	Option three
Display type	15.6-inch, HD	15.6-inch, FHD	15.6-inch, FHD, touch
Touch options	No	No	Yes
Display-panel technology	Twisted Nematic (TN)	In-Plane Switching (IPS)	Wide-viewing angle (WVA)

Table 20. Display specifications (continued)

Description		Option one	Option two	Option three
Display-panel dimensions (active area):				
	Height	193.54 mm (7.62 in.)	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)
	Width	344.23 mm (13.55 in.)	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)
	Diagonal	394.91 mm (15.55 in.)	394.87 mm (15.55 in.)	394.87 mm (15.55 in.)
Display-panel native resolution		1366 x 768	1920 x 1080	1920 x 1080
Luminance (typical)		220 nits	250 nits	220 nits
Megapixels		1.05 M	2.07 M	2.07M
Color gamut		NTSC 45% typical	NTSC 45% typical	NTSC 45% typical
Pixels Per Inch (PPI)		100	141	141
Contrast ratio (typical)		400:1	600:1	700:1
Response time (maximum)		20 ms	35 ms	35 ms
Refresh rate		60 Hz	120 Hz	60 Hz
Horizontal view angle		40 degrees (Left/Right)	80 degrees (Left/Right)	80 degrees (Left/Right)
Vertical view angle		10 degrees (Up) / 30 degrees (Down)	80 degrees (Up/Down)	80 degrees (Up/Down)
Pixel pitch		0.252 x 0.252 mm	0.17925 x 0.17925 mm	0.17925 x 0.17925 mm
Power consumption (maximum)		4.2 W	5.25 W	4.1 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare	Anti-glare

Fingerprint reader

The following table lists the fingerprint-reader specifications of your Inspiron 15 3520.

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

NOTE: The fingerprint reader is an optional offering.

Table 21. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
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 Inspiron 15 3520.

Table 22. GPU—Integrated

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	• Intel Celeron/Pentium • 11th Generation Intel Core i3 • 12th Generation Intel Core i3
Intel Iris Xe Graphics	Shared system memory	• 11th Generation Intel Core i5/i7 • 12th Generation Intel Core i5/i7

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 15 3520.

Table 23. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA GeForce MX550	2 GB	GDDR6

Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 15 3520.

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

Table 24. 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 range	-15.2 m to 3048 m (-49.80 ft to 10000 ft)	-15.2 m to 10668 m (-49.80 to 35000 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 the user environment.

† Measured using a 2 ms half-sine pulse.

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Dell low blue light display

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

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic 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.

The display on this computer is designed to minimize blue light and complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light mode is enabled at the factory, so no further configuration is necessary.

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

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 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.

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Dell ComfortView

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

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic 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.

ComfortView mode can be enabled and configured using the Dell CinemaColor application.

ComfortView mode complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light: Dell ComfortView software technology reduces harmful blue light emissions to make extended screen time easy on your eyes.

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

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 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.

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Keyboard shortcuts

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Table 25. List of keyboard shortcuts

Keys	Primary Behavior	Secondary Behavior (fn + Key)
fn + Esc	Escape	Toggle fn-key lock
fn + F1	Mute audio	F1 behavior
fn + F2	Decrease volume	F2 behavior
fn + F3	Increase volume	F3 behavior
fn + F4	Play/Pause	F4 behavior
fn + F5	Keyboard backlight **NOTE:** Not applicable for non-backlight keyboard.	F5 behavior
fn + F6	Decrease screen brightness	F6 behavior
fn + F7	Increase screen brightness	F7 behavior
fn + F8	Switch to external display	F8 behavior
fn + F10	Print Screen	F10 behavior
fn + F11	Home	F11 behavior
fn + F12	End	F12 behavior
fn + ctrl	Open application menu	Control
fn + page up	Scroll up	Page up
fn + page down	Scroll down	Page down

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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 26. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	Dell Site
My Dell app	
Tips	
Contact Support	In Windows search, type `Contact Support`, and press Enter.
Online help for operating system	Windows Support Site Linux Support Site
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals, and documents.	Your Dell computer is uniquely identified using 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 Dell Support Site. For more information about how to find the Service Tag for your computer, see Locate the Service Tag on your computer.
Dell knowledge base articles	1. Go to Dell Support Site. 2. On the menu bar at the top of the Support page, select **Support** > **Support Library**. 3. In the Search field on the Support Library 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 Contact Support at Dell Support Site.

NOTE: Availability of the services may vary depending on the country or region, and product.

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.