

# Inspiron 14 5440

## Owner's Manual

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# Views of Inspiron 14 5440

## Right



Figure 1. Right view

### 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. Headset (headphone and microphone combo) port

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

### 3. USB 3.2 Gen 1 (5 Gbps) port

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

### 4. Wedge-shaped lock slot

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

## Left



Figure 2. Left view of computers shipped with core 5 and core 7 processors

### 1. Power-adaptor port

Connect your power-adaptor.

### 2. Battery-status light

Indicates the battery-charge status.

- Solid yellow-Battery charge is low.

- Blinking yellow-Battery charge is critical.

**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 (5 Gbps) port**

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

**5. USB 3.2 Gen 2 (10 Gbps) Type-C with Power Delivery and DisplayPort**

Supports DisplayPort 1.4, enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 10 Gbps.

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



**Figure 3. Left view of computers shipped with i3 and i5 processors**

**1. Power adapter port**

Connect your power-adapter.

**2. Battery-status light**

Indicates the battery-charge status.

- Solid yellow-Battery charge is low.
- Blinking yellow-Battery charge is critical.

**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 (5 Gbps) port**

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

**5. USB 3.2 Gen 1 (5 Gbps) Type-C port Data only**

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

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

# Top



**Figure 4. Top view**

**1. Display**

Displays the data, videos, and photos.

**2. Fingerprint reader (optional)**

Press your finger on the fingerprint reader to log in to your computer. The fingerprint reader enables your computer to recognize your fingerprints as a password.

**i** **NOTE:** Configure the fingerprint reader to register your fingerprint and enable access.

**3. Touchpad**

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

# Front

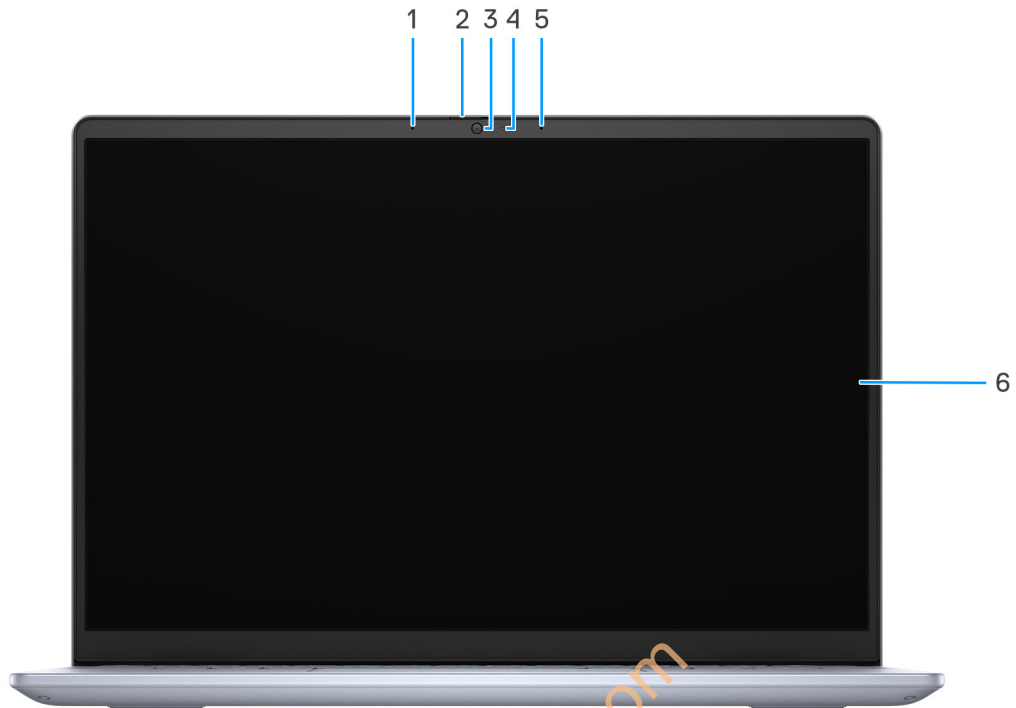


Figure 5. Front view

**1. Left microphone**

Provides digital sound input for audio recording and voice calls.

**(i) NOTE:** Computers that are shipped with plastic chassis have only one microphone.

**2. Camera shutter**

Slide the privacy shutter to the left to access the camera lens.

**(i) NOTE:** The camera shutter is only available on computers that are shipped with an aluminum chassis.

**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.

**(i) NOTE:** Computers that are shipped with plastic chassis have only one microphone.

**6. Display**

Displays the data, videos, and photos.

# Bottom



Figure 6. Bottom view

**1. Right speaker**

Provide 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. 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 the build-up of dust and dirt. For more information about cleaning air vents, search for articles in the Knowledge Base Resource at [www.dell.com/support](http://www.dell.com/support).

**4. Left speaker**

Provide audio output.

## Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.



Figure 7. Service Tag location

## Battery charge and status light

The following table lists the battery charge and status light behavior of your Inspiron 14 5440.

Table 1. 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	11-100%
Battery	Solid Amber (590+/-3 nm)	S0 - S5	< 10%

- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, except for a trickle power. The context data is written to a hard drive.
- S5 (OFF) - The system is in a shutdown state.



# Set up your Inspiron 14 5440

## About this task

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

## Steps

1. Connect the power adapter and press the power button.



**Figure 8. Connect the power adapter and press the power button.**

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

2. Finish the 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 [www.dell.com/support](http://www.dell.com/support).

### For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell Technologies 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 2. Locate Dell apps in Windows in S-mode**

Resources	Description
	<p><b>Dell Product Registration</b></p> <p>Register your computer with Dell.</p>
	<p><b>Dell Help &amp; Support</b></p> <p>Access help and support for your computer.</p>
	<p><b>SupportAssist</b></p> <p>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 <i>SupportAssist for Home PCs User's Guide</i> at <a href="http://www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/docs">www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/docs</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

**Table 3. Locate Dell apps in Windows**

Resources	Description
	<p><b>My Dell</b></p> <p>MyDell is a software application that offers you a single streamlined engagement platform including account access, device information, and hardware settings. This software delivers intelligent features that automatically fine-tune your computer for the best possible audio, power, and performance. Get the most out of your Dell device with intelligent, personalized technology from MyDell. Following are the key features of MyDell:</p> <ul style="list-style-type: none"> <li>• Application</li> <li>• Audio</li> <li>• Power</li> <li>• Color and Display</li> <li>• Presence detection</li> </ul> <p>For more information about how to use MyDell, see product guides at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>
	<p><b>Dell Update</b></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 product guides and third-party license documents at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>
	<p><b>Dell Digital Delivery</b></p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information about using Dell Digital Delivery, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>
	<p><b>SupportAssist</b></p> <p>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 <i>SupportAssist for Home PCs User's Guide</i> at <a href="http://www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/docs">www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/docs</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

# Specifications of Inspiron 14 5440

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 14 5440.

**Table 4. Dimensions and weight**

Description	Aluminum chassis	Plastic chassis
Height:		
Front height	0.62 in. (15.86 mm)	0.67 in. (16.90 mm)
Rear height	0.68 in. (17.31 mm)	0.71 in. (18.07 mm)
Width	12.36 in. (314.00 mm)	12.36 in. (314.00 mm)
Depth	8.90 in. (226.15 mm)	8.90 in. (226.15 mm)
Weight <i>i</i> <b>NOTE:</b> The weight of your computer depends on the configuration that is ordered and manufacturing variability.	Maximum: 3.59 lb (1.63 kg)	Maximum: 3.68 lb (1.67 kg)


## Processor

The following table lists the details of the processors that are supported for your Inspiron 14 5440.

**Table 5. Processor**

Description	Option one	Option two	Option three	Option four	Option five
Processor type	13th Gen Intel Core i3-1305U	13th Gen Intel Core i5-1335U	13th Gen Intel Core i5-1334U	13th Gen Intel Core 5-120U	13th Gen Intel Core 7-150U
Processor wattage	15 W	15 W	15 W	15 W	15 W
Processor total core count	5	10	10	10	10
Performance-cores	1	2	2	2	2
Efficient-cores	5	8	8	8	8
Processor total thread counts <i>i</i> <b>NOTE:</b> Intel Hyper-Threading Technology is only available on Performance-cores.	6	12	12	12	12

**Table 5. Processor (continued)**

Description	Option one	Option two	Option three	Option four	Option five
Processor speed	Up to 4.50 GHz	Up to 4.60 GHz	Up to 4.60 GHz	Up to 5.00 GHz	Up to 5.40 GHz
Performance-cores frequency					
Processor base frequency	1.50 GHz	1.00 GHz	1.30 GHz	1.00 GHz	1.00 GHz
Maximum turbo frequency	4.50 GHz	4.60 GHz	4.60 GHz	5.00 GHz	4.40 GHz
Efficient-cores frequency					
Processor base frequency	1.50 GHz	0.70 GHz	0.90 GHz	0.70 GHz	0.70 GHz
Maximum turbo frequency	3.30 GHz	3.40 GHz	3.40 GHz	3.30 GHz	3.30 GHz
Thermal Mode/Thermal Design Power (TDP)					
Cool	10 W	10 W	10 W	10 W	10 W
Optimized	15 W	15 W	15 W	15 W	15 W
Quiet	10 W	10 W	10 W	10 W	10 W
Ultra Performance	17 W	17 W	17 W	17 W	17 W
 <b>NOTE:</b> Processor clock speeds and thermal design power differ according to the thermal mode selected in the My Dell app on your computer.					
Processor cache	10 MB	10 MB	12 MB	12 MB	10 MB
Integrated graphics	Intel Graphics	Intel Graphics	Intel Graphics	Intel Graphics	Intel Graphics

## Chipset

The following table lists the details of the chipset that is supported for your Inspiron 14 5440.

**Table 6. Chipset**

Description	Values
Chipset	Integrated in the processor
Processor	<ul style="list-style-type: none"> <li>13th Generation Intel Core i3/i5 processors</li> <li>13th Generation Intel Core 5/7 processors</li> </ul>
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 3

## Operating system

Your Inspiron 14 5440 supports the following operating systems:

- Windows 11 Home
- Windows 11 Home (S-mode)
- Windows 11 Pro
- Windows 11 Pro National Academic
- Ubuntu Linux 22.04 LTS, 64-bit

## Memory

The following table lists the memory specifications of your Inspiron 14 5440.

**Table 7. Memory specifications**

Description	Values
Memory slots	Two-SODIMM slots
Memory type	DDR5, dual-channel
Memory speed	<ul style="list-style-type: none"> <li>• 5200 MT/s</li> <li>• 4400 MT/s</li> </ul>
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB
Memory configurations supported	<p>For computers shipped with 1305U/1334U/1335U processors</p> <ul style="list-style-type: none"> <li>• 8 GB: 1 x 8 GB, DDR5, 4400 MT/s, single-channel</li> <li>• 16 GB: 2 x 8 GB, DDR5, 4400 MT/s, dual-channel</li> <li>• 16 GB: 1 x 16 GB, DDR5, 4400 MT/s, single-channel</li> <li>• 32 GB: 2 x 16 GB, DDR5, 4400 MT/s, dual-channel</li> </ul> <p>For computers shipped with 120U/150U processors</p> <ul style="list-style-type: none"> <li>• 8 GB: 1 x 8 GB, DDR5, 5200 MT/s, single-channel</li> <li>• 16 GB: 2 x 8 GB, DDR5, 5200 MT/s, dual-channel</li> <li>• 24 GB: 1 x 8 GB + 1 x 16 GB, DDR5, 5200 MT/s, dual-channel</li> <li>• 32 GB: 2 x 16 GB, DDR5, 5200 MT/s, dual-channel</li> </ul>

## External ports

The following table lists the external ports on your Inspiron 14 5440.

**Table 8. External ports**

Description	Values
USB ports	<p>for computer shipped with 1305U/1334U/1335U processors</p> <ul style="list-style-type: none"> <li>• Two USB 3.2 Gen 1 (5 Gbps) ports</li> <li>• One USB 3.2 Gen 1 (5 Gbps) Type-C port</li> </ul> <p>for computer shipped with 120U/150U processors</p> <ul style="list-style-type: none"> <li>• Two USB 3.2 Gen 1 (5 Gbps) ports</li> <li>• One USB 3.2 Gen 2 (10 Gbps) Type-C with Power Delivery and DisplayPort™ 1.4 port</li> </ul>
Audio port	One headset (headphone and microphone combo) port

**Table 8. External ports (continued)**

Description	Values
Video port/ports	One HDMI 1.4 port <i>i</i> <b>NOTE:</b> HDMI output supports up to 1920x1080 @ 60Hz, 24bpp. No 4K/2K output supported.
Media-card reader	One SD-card slot
Power-adaptor port	4.5 mm barrel
Security-cable slot	Not supported

## Internal slots

The following table lists the internal slots of your Inspiron 14 5440.

**Table 9. Internal slots**

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

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your Inspiron 14 5440.

**Table 10. Wireless module specifications**

Description	Option one	Option two
Model number	Realtek RTL8852BE	Realtek RTL8851BE
Transfer rate	Up to 1201 Mbps	Up to 600 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"> <li>Wi-Fi 802.11 a/b/g</li> <li>Wi-Fi 4 (WiFi 802.11n)</li> <li>Wi-Fi 5 (WiFi 802.11ac)</li> <li>Wi-Fi 6 (WiFi 802.11ax)</li> </ul>	<ul style="list-style-type: none"> <li>Wi-Fi 802.11 a/b/g</li> <li>Wi-Fi 4 (WiFi 802.11n)</li> <li>Wi-Fi 5 (WiFi 802.11ac)</li> <li>Wi-Fi 6 (Wi-Fi 802.11ax)</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>
Bluetooth wireless card	Bluetooth 5.3	Bluetooth 5.3
	<i>i</i> <b>NOTE:</b> 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 14 5440.

**Table 11. Audio specifications**

Description	Values
Audio controller	Realtek ALC3254
Stereo conversion	Supported
Internal audio interface	High definition audio
External audio interface	One Universal audio jack
Number of speakers	Two
Internal-speaker amplifier	Supported (Audio codec integrated)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average speaker output	2 W x 2 = 4 W
Peak speaker output	2.5 W x 2 = 5 W
Subwoofer output	Not supported
Microphone	Dual-array microphones in camera assembly

# Storage

This section lists the storage options on your Inspiron 14 5440.

Your for example Inspiron 14 5440 supports the following storage configuration:

- One M.2 2230 solid-state drive

The primary drive of your, Inspiron 14 5440 varies with the storage configuration. For computers with a M.2 drive, the M.2 drive is the primary drive

**Table 12. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe Gen 4 x4 NVMe	Up to 1 TB

# Media-card reader

The following table lists the media cards that are supported on your Inspiron 14 5440.

**Table 13. Media-card reader specifications**

Description	Values
Media-card type	One SD-card slot
Media-cards supported	<ul style="list-style-type: none"><li>• Secure Digital (SD)</li><li>• Secure Digital High Capacity (SDHC)</li></ul>

**Table 13. Media-card reader specifications (continued)**

Description	Values
	<ul style="list-style-type: none"><li>Secure Digital Extended Capacity (SDXC)</li></ul>
<b>i</b> <b>NOTE:</b> The maximum capacity 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 14 5440.

**Table 14. Keyboard specifications**

Description	Values
Keyboard type	<ul style="list-style-type: none"><li>AI hotkey backlit keyboard</li><li>AI hotkey non-backlit keyboard</li></ul>
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"><li>United States and Canada: 79 keys</li><li>United Kingdom: 80 keys</li><li>Japan: 83 keys</li><li>Brazil: 81 keys</li></ul>
Keyboard size	X=19.05mm key pitch Y=18.05mm 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. <b>i</b> <b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.

## Keyboard function keys

The **F1-F12** keys at the top of the keyboard are function keys. By default, these keys are used to perform specific functions defined by the software application in use.

You can run the secondary tasks that are indicated by the symbols on the function keys by pressing the function key with **Fn**, for example, **Fn** and **F1**. See the table below for the list of secondary tasks and the key combinations to run them.

**i** **NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys that are used for tasks remain the same, regardless of the keyboard language.

**i** **NOTE:** You can define the primary behavior of function keys in the **Function Key Behavior** menu of the BIOS setup program.

**Table 15. Secondary tasks of keyboard keys**

Key combination for task	What the task does
<b>Fn</b> and <b>F1</b>	Mutes audio
<b>Fn</b> and <b>F2</b>	Decreases audio volume



**Table 15. Secondary tasks of keyboard keys (continued)**

Key combination for task	What the task does
<b>Fn</b> and <b>F3</b>	Increases audio volume
<b>Fn</b> and <b>F4</b>	Plays or pauses media file
<b>Fn</b> and <b>F6</b>	Decreases display brightness
<b>Fn</b> and <b>F7</b>	Increases display brightness
<b>Fn</b> and <b>F8</b>	Switches to an external display
<b>Fn</b> and <b>F10</b>	Prints screen (Screen capture)
<b>Fn</b> and <b>F11</b>	Home (Moves cursor to the beginning of the line)
<b>Fn</b> and <b>F12</b>	End (Moves cursor to the end of the line)
<b>Fn</b> and <b>Esc</b>	Locks the <b>Fn</b> key on and off
<b>Fn</b> and <b>Ctrl</b>	Opens the menu of the software application

## Keys with alternate characters

There are other keys on your keyboard with alternate characters. The symbols that are shown at the bottom of these keys are the main characters that are displayed when the key is pressed; the symbols that are shown at the top of these keys are displayed when the key is pressed with the shift key. For example, if you press **2**, **2** is displayed; if you press **Shift** and **2**, **@** is displayed.

## Camera

The following table lists the camera specifications of your Inspiron 14 5440.

**Table 16. Camera specifications**

Description	Option one	Option two
Number of cameras	One	One
Camera type	FHD+ RGB	HD RGB
Camera location	Front	Front
Camera sensor type	CMOS sensor technology	CMOS sensor technology
Camera resolution:		
Still image	2.07 megapixel	0.92 megapixel
Video	1920 x 1080 (FHD) at 30 fps	1280 x 720 (HD) at 30 fps
Infrared camera resolution:		
Still image	Not Supported	Not Supported
Video	Not Supported	Not Supported
Diagonal viewing angle:		
Camera	82 degrees	75 degrees
Infrared camera	Not Supported	Not Supported

# Touchpad

The following table lists the touchpad specifications of your Inspiron 14 5440.

**Table 17. Touchpad specifications**


Description	Values
Touchpad resolution:	>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 <a href="https://support.microsoft.com">support.microsoft.com</a> .

# Power adapter

The following table lists the power adapter specifications of your Inspiron 14 5440.

**Table 18. Power adapter specifications**

Description	Values
Type	65 W AC adapter, 4.5 mm barrel
Input voltage	120 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A
Output current (continuous)	3.34 A
Rated output voltage	19.50 V
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 14 5440.

**Table 19. Battery specifications**

Description	Option one	Option two	Option three
Battery type	4-cell lithium-ion, 54 Wh, ExpressCharge	4-cell lithium-ion, 64 Wh, ExpressCharge	3-cell lithium-ion, 41 Wh, ExpressCharge, ExpressCharge Boost

**Table 19. Battery specifications (continued)**

Description		Option one	Option two	Option three
Battery voltage		15 VDC	15.20 VDC	11.25 VDC
Battery weight (minimum)		0.23 Kg (0.52 lb)	0.26 Kg (0.57 lb)	0.18 Kg (0.39 lb)
Battery dimensions:				
	Height	5.75mm (0.23 in.)	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
	Width	271.90 mm (10.70 in.)	271.90 mm (10.70 in.)	206.40 mm (8.13 in.)
	Depth	82.00 mm (3.23 in.)	82.00 mm (3.23 in.)	82.00 mm (3.23 in.)
Temperature range:				
	Operating	<ul style="list-style-type: none"> <li>Charge: 0°C to 45°C (32°F to 113°F)</li> <li>Discharge: 0°C to 70°C (32°F to 158°F)</li> </ul>	<ul style="list-style-type: none"> <li>Charge: 0°C to 45°C (32°F to 113°F)</li> <li>Discharge: 0°C to 70°C (32°F to 158°F)</li> </ul>	<ul style="list-style-type: none"> <li>Charge: 0°C to 45°C (32°F to 113°F)</li> <li>Discharge: 0°C to 70°C (32°F to 158°F)</li> </ul>
	Storage	-20°C to 60°C (-4°F to 140°F)	-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.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) <b>i NOTE:</b> 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 <a href="http://www.dell.com/support">www.dell.com/support</a> .		3 hours (when the computer is off)	3 hours (when the computer is off)	3 hours (when the computer is off)
<p><b>⚠ CAUTION:</b> 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.</p> <p><b>⚠ CAUTION:</b> Dell Technologies 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.</p>				

## Display

The following table lists the display specifications of your Inspiron 14 5440.

**Table 20. Display specifications**


Description	Option one	Option two
Display type	14-inch Full High Definition Plus (FHD+) ComfortView	14-inch High Definition 2.2 K ComfortView Plus
Touch options	Not supported	Not supported

**Table 20. Display specifications (continued)**

Description		Option one	Option two
Display-panel technology		Wide-Viewing Angle (WVA)	Wide-Viewing Angle (WVA)
Display-panel dimensions (active area):			
	Height	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)
	Width	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)
	Diagonal	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)
Display-panel native resolution		1920 x 1200	2240 x 1400
Luminance (typical)		250 nits	300 nits
Megapixels		2.3	3.1
Color gamut		45% NTSC	100% (sRGB)
Pixels Per Inch (PPI)		162	189
Contrast ratio (minimum)		600:1	1000:1
Response time (maximum)		35 ms	35 ms
Refresh rate		60 Hz	60 Hz
Horizontal view angle		<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 80 degrees (minimum)</li> <li>+/- 85 degrees (typical)</li> </ul>
Vertical view angle		<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 80 degrees (minimum)</li> <li>+/- 85 degrees (typical)</li> </ul>
Pixel pitch		0.157 x 0.157 mm	0.1346 x 0.1346 mm
Power consumption (maximum)		3.20 W	4.40 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare

## Fingerprint reader

The following table lists the fingerprint-reader specifications of your Inspiron 14 5440.

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

**Table 21. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 ppi
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 14 5440.

**Table 22. GPU—Integrated**

Controller	Memory size	Processor
Intel Graphics	Shared system memory	13th Generation Intel Core i3 processor
Intel UHD Graphics	Shared system memory	13th Generation Intel Core i5 processor
Intel Iris Xe Graphics	Shared system memory	Intel Core 5/7 processors

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 14 5440.

**Table 23. GPU—Discrete**

Controller	Memory size	Memory type
NVIDIA GeForce MX570A	2 GB	GDDR6

## External display support

The following table lists the external display support for your Inspiron 14 5440.

**Table 24. External display support**

Graphics card	Supported external displays with laptop display enabled	Supported external displays with laptop display disabled
iGPU only	3	4

## Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 14 5440.

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

**Table 25. 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 available
Shock (maximum)	140 G†	Not available
Altitude range	Not available	Not available

**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.