Inspiron 14 5430

Setup and Specifications

Regulatory Model: P171G
Regulatory Type: P171G001
January 2023
Rev. A00

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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Contents

Chapter 1: Set up your Inspiron 14 5430 4

Chapter 2: Views of Inspiron 14 5430 6
- Right 6
- Left 6
- Top 7
- Front 9
- Bottom 10
- Service Tag 11

Chapter 3: Specifications of Inspiron 14 5430 13
- Dimensions and weight 13
- Processor 13
- Chipset 14
- Operating system 14
- Memory 14
- External ports 15
- Internal slots 15
- Wireless module 15
- Audio 16
- Storage 16
- Media-card reader 17
- Keyboard 17
- Camera 18
- Touchpad 18
- Power adapter 19
- Battery 19
- Display 21
- Fingerprint reader (optional) 21
- GPU—Integrated 22
- GPU—Discrete 22
- Multiple display support matrix 22
- Operating and storage environment 23

Chapter 4: ComfortView 24

Chapter 5: ComfortView Plus 25

Chapter 6: Keyboard shortcuts of Inspiron 14 5430 26

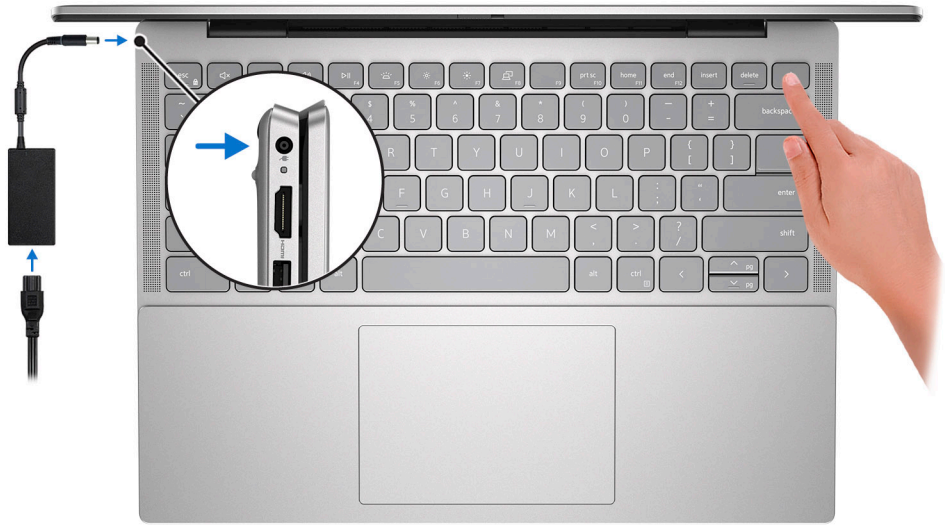
Chapter 7: Getting help and contacting Dell 28

1

Set up your Inspiron 14 5430

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 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
	Dell Product Registration Register your computer with Dell.
	Dell Help & Support Access help and support for your computer.
	SupportAssist 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. **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 on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.
	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 www.dell.com/support.

2

Views of Inspiron 14 5430

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 3.2 Gen 1 port**

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

3. **Universal audio port**

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

Left

1. **Power-adapter port (primary power)**

   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. **Thunderbolt 4.0 port with Power Delivery and DisplayPort**

   Supports DisplayPort 1.4, Thunderbolt 4.0 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for Thunderbolt 4.0.

   NOTE: Connect your USB Type-C power adapter to this port to charge your computer.

   NOTE: You can connect a Dell Docking Station to the Thunderbolt 4.0 ports. For more information, search in the Knowledge Base Resource at www.dell.com/support.

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

   NOTE: Thunderbolt 4.0 supports two 4K displays or one 8K display.

Top

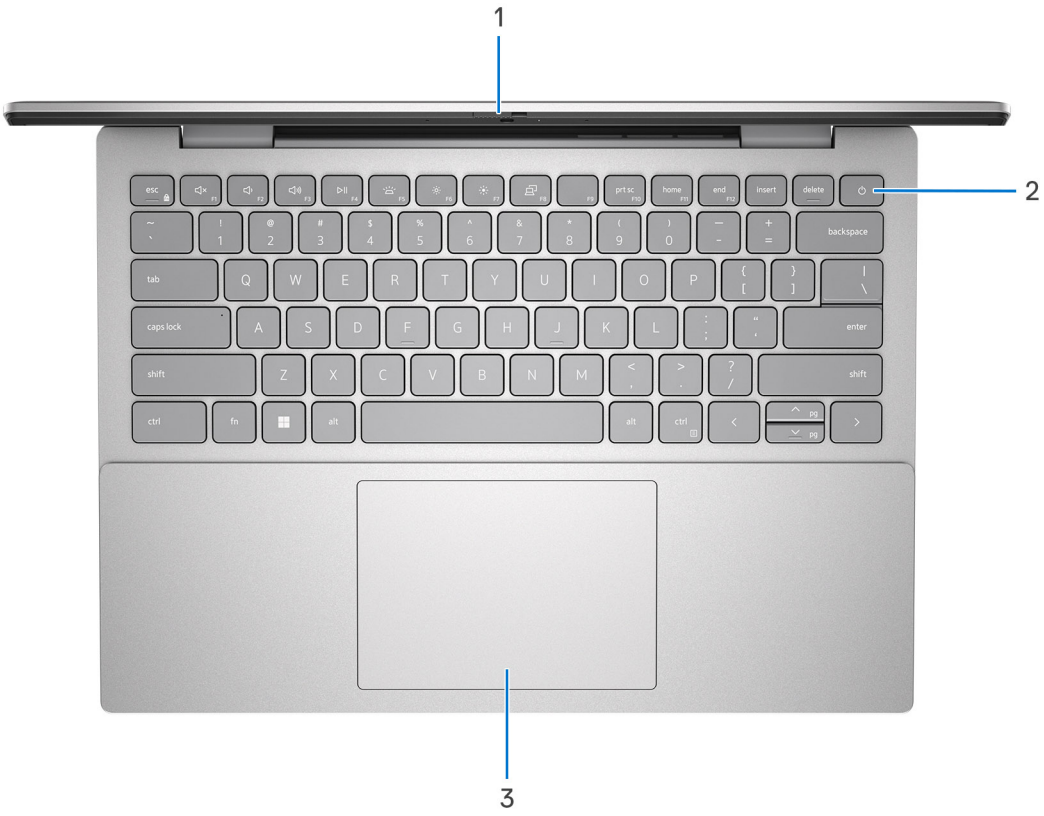


Figure 1. Computer shipped with downfiring speakers

1. **Privacy shutter**

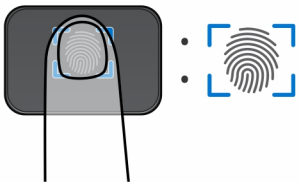
   Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

2. **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 www.dell.com/support/manuals.

3. **Precision touchpad**

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

Figure 2. Computer shipped with upfiring speakers

1. **Privacy shutter**

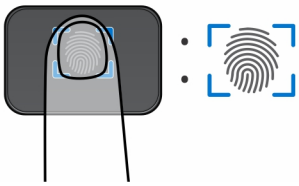
   Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

2. **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 www.dell.com/support/manuals.

3. **Right upfiring speaker (only for computers shipped with upfiring speakers)**

   Provides audio output.

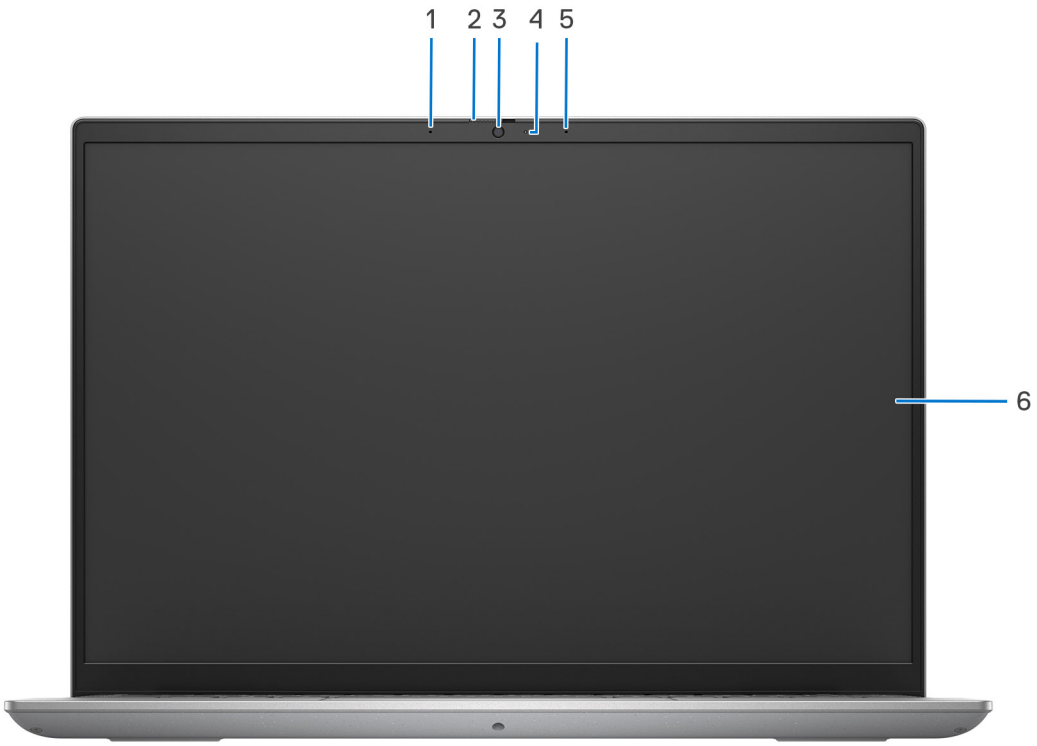
4. **Precision touchpad**

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

5. **Left upfiring speaker (only for computers shipped with upfiring speakers)**

   Provides audio output.

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.

6. **Display**

   Provides visual output.

Bottom

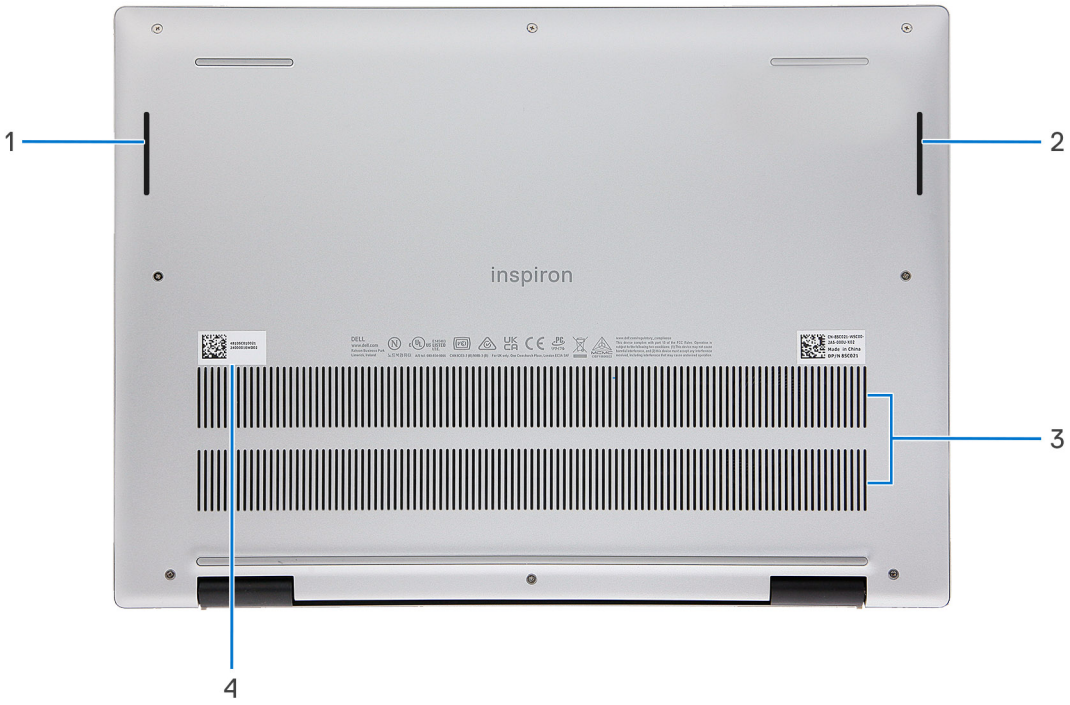


Figure 3. Computer shipped with downfiring speakers

1. **Left speaker (only for computers shipped with downfiring speakers)**

   Provides audio output.

2. **Right speaker (only for computers shipped with downfiring speakers)**

   Provides audio output.

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 www.dell.com/support.

4. **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.

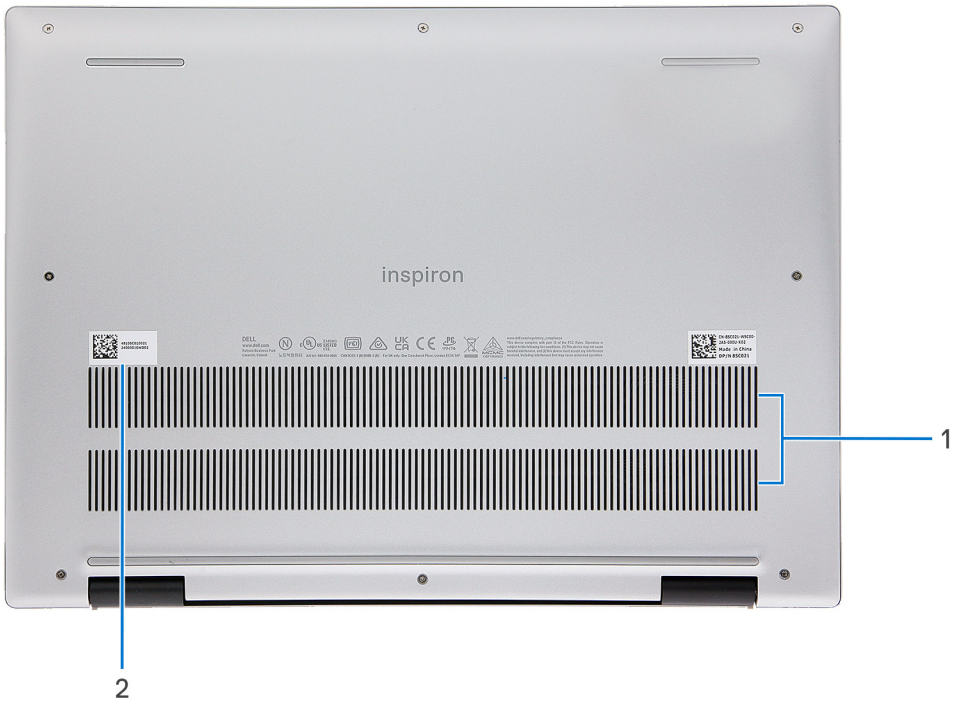


Figure 4. Computer shipped with upfiring speakers

1. **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 www.dell.com/support.

2. **Service Tag label**

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Service Tag

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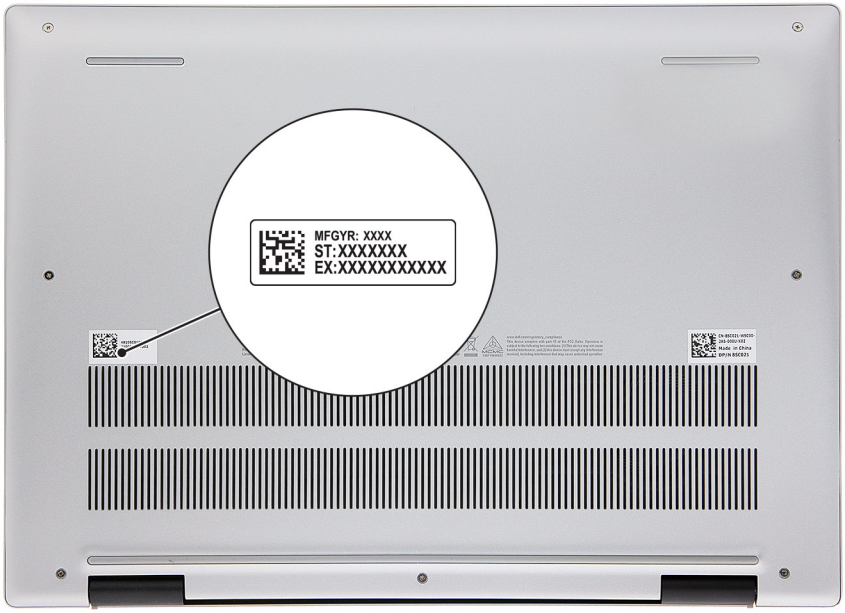
MFGYR: XXXX
ST:XXXXXXX
EX:XXXXXXXXXXX

3

Specifications of Inspiron 14 5430

Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 14 5430.

Table 2. Dimensions and weight

Description	Computer shipped with downfiring speakers	Computer shipped with upfiring speakers
Height:		
Front height	16.49 mm (0.65 in.)	15.74 mm (0.62 in.)
Rear height	18.52 mm (0.73 in.)	17.67 mm (0.69 in.)
Width	314.00 mm (12.36 in.)	314.00 mm (12.36 in.)
Depth	226.60 mm (8.92 in.)	226.60 mm (8.92 in.)
Weight (maximum)	1.78 kg (3.93 lb) **NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability.	1.69 kg (3.73 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 14 5430.

Table 3. Processor

Description	Option one	Option two	Option three	Option four	Option five
Processor type	13th Generation Intel Core i5-1340P	13th Generation Intel Core i7-1360P	13th Generation Intel Core i3-1315U	13th Generation Intel Core i5-1335U	13th Generation Intel Core i7-1355U
Processor wattage	15 W	15 W	15 W	15 W	15 W
Processor core count	10	10	6	10	10
Processor thread count	12	12	12	12	12
Processor speed	Up to 4.60 GHz	Up to 5.00 GHz	Up to 4.50 GHz	Up to 4.60 GHz	Up to 5.00 GHz
Processor cache	12 MB	18 MB	10 MB	12 MB	12 MB
Integrated graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your Inspiron 14 5430.

Table 4. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	13th Generation Intel Core i3U/i5U/i5P/i7U/i7P processors
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 4.0

Operating system

Your Inspiron 14 5430 supports the following operating systems:

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

Memory

The following table lists the memory specifications of your Inspiron 14 5430.

Table 5. Memory specifications

Description	Values
Memory slots	Integrated on the system board **NOTE:** You cannot upgrade the memory on your Inspiron 14 5430.
Memory type	LPDDR5 and LPDDR5x
Memory speed	4800 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory configurations supported	• 8 GB, 2 x 4 GB, LPDDR5, 4800 MHz, integrated, dual-channel • 16 GB, 2 x 8 GB, LPDDR5, 4800 MHz, integrated, dual-channel • 8 GB, 2 x 4 GB, LPDDR5x, 4800 MHz, integrated, dual-channel • 16 GB, 2 x 8 GB, LPDDR5x, 4800 MHz, integrated, dual-channel

External ports

The following table lists the external ports on your Inspiron 14 5430.

Table 6. External ports

Description	Values
USB ports	• Two USB 3.2 Gen 1 ports • One USB Type-C Thunderbolt 4.0 port with DisplayPort and Power Delivery
Audio port	One universal audio port
Video port/ports	• One HDMI 1.4 port • One USB Type-C Thunderbolt 4.0 port with DisplayPort
Media-card reader	One SD-card slot
Power-adapter port	• One DC-in port (4.50 mm standard plug) • One USB Type-C Thunderbolt 4.0 port
Security-cable slot	Not supported

Internal slots

The following table lists the internal slots of your Inspiron 14 5430.

Table 7. Internal slots

Description	Values
M.2	• One M.2 2230/2280 slot for solid-state drive • One M.2 2230 slot for WLAN, Wi-Fi/Bluetooth **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.

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Inspiron 14 5430.

Table 8. Wireless module specifications

Description	Option one	Option two	Option three
Model number	Realtek RTL8852BE	Intel AX211	Intel AX411
Transfer rate	Up to 1201 Mbps	Up to 2400 Mbps	Up to 2974 Mbps
Frequency bands supported	2.40 GHz/5 GHz	2.40 GHz/5 GHz/6 GHz	2.40 GHz/5 GHz/6 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)

Table 8. Wireless module specifications (continued)

Description	Option one	Option two	Option three
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	Bluetooth 5.3 **NOTE:** Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality.	Bluetooth 5.3 **NOTE:** Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality.	Bluetooth 5.3 **NOTE:** Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality.

Audio

The following table lists the audio specifications of your Inspiron 14 5430.

Table 9. Audio specifications

Description		Values
Audio controller		Realtek ALC3254
Stereo conversion		Supported with Waves MaxxAudio Pro and Dolby Atmos Core
Internal audio interface		High definition audio interface
External audio interface		• One universal audio port • One HDMI 1.4 port
Number of speakers		Two
Internal-speaker amplifier		Supported
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		Digital-array microphones

Storage

This section lists the storage options on your Inspiron 14 5430.

Your Inspiron 14 5430 supports the following storage configurations:

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

The M.2 2230/2280 solid-state drive is the primary drive of your computer.

Table 10. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 QLC, Class 25 solid-state drive	PCIe NVMe Gen3 x4	Up to 1 TB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen3 x4	Up to 1 TB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen4 x4	Up to 1 TB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	Up to 2 TB

Media-card reader

The following table lists the media cards supported by your Inspiron 14 5430.

Table 11. Media-card reader specifications

Description	Values
Media-card type	One SD-card slot
Media-cards supported	• Secure Digital (SD) • Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC)
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 14 5430.

Table 12. Keyboard specifications

Description	Values
Keyboard type	• Standard backlit keyboard • Standard non-backlit keyboard
Keyboard layout	QWERTY
Number of keys	• United States and Canada: 79 keys • United Kingdom: 80 keys • Japan: 83 keys
Keyboard size	X = 19.05 mm key pitch Y = 19.05 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) by changing **Function Key Behavior** in BIOS setup program.

Camera

The following table lists the camera specifications of your Inspiron 14 5430.

Table 13. Camera specifications

Description		Option one	Option two
Number of cameras		One	Two
Camera type		There is one camera option: • FHD RGB camera	There are two camera options: • FHD RGB camera • IR camera
Camera location		Front camera	Front camera
Camera sensor type		CMOS sensor technology	CMOS sensor technology
Camera resolution:			
	Still image	2.07 megapixel	2.07 megapixel
	Video	1920 x 1080 (FHD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:			
	Still image	N/A	0.92 megapixel
	Video	N/A	640 x 360 (VGA) at 15 fps
Diagonal viewing angle:			
	Camera	82.00 degrees	80.00 degrees
	Infrared camera	N/A	86.00 degrees

Touchpad

The following table lists the touchpad specifications of your Inspiron 14 5430.

Table 14. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	>= 300 dpi
	Vertical	>= 300 dpi
Touchpad dimensions:		
	Horizontal	115 mm (4.53 in.)
	Vertical	80 mm (3.15 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 Inspiron 14 5430.

Table 15. Power adapter specifications

Description	Option one	Option two
Type	65 W AC adapter, 4.50 mm barrel type	65 W AC adapter, USB-C
Connector dimensions:		
External diameter	4.50 mm (0.18 in.)	N/A
Internal diameter	2.90 mm (0.11 in.)	N/A
Power-adapter dimensions:		
Height	28.00 mm (1.10 in.)	28.00 mm (1.10 in.)
Width	108.00 mm (4.30 in.)	112.00 mm (4.40 in.)
Depth	47.00 mm (1.90 in.)	51.00 mm (2.00 in.)
Input voltage	100 VAC – 240 VAC	100 VAC – 240 VAC
Input frequency	50 Hz – 60 Hz	50 Hz – 60 Hz
Input current (maximum)	1.60 A/1.70 A	1.70 A
Output current (continuous)	3.34 A	• 5 V/3 A • 9 V/3 A • 15 V/3 A • 20 V/3.25 A
Rated output voltage	19.50 VDC	• 5 VDC • 9 VDC • 15 VDC • 20 VDC
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)

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 5430.

Table 16. Battery specifications

Description	Option one	Option two (for computers shipped with downfiring speakers)	Option two (for computers shipped with upfiring speakers)
Battery type	4-cell, 54 Wh lithium-polymer	3-cell, 41 Wh lithium-polymer	4-cell, 64 Wh lithium-polymer

Table 16. Battery specifications (continued)

Description		Option one	Option two (for computers shipped with downfiring speakers)	Option two (for computers shipped with upfiring speakers)
Battery voltage		15.00 VDC	11.25 VDC	15.20 VDC
Battery weight (maximum)		0.23 kg (0.51 lb)	0.177 kg (0.39 lb)	0.26 kg (0.57 lb)
Battery dimensions:				
	Height	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
	Width	271.90 mm (10.70 in.)	206.4 mm (8.13 in.)	271.90 mm (10.70 in.)
	Depth	82.00 mm (3.23 in.)	82.00 mm (3.23 in.)	82.00 mm (3.23 in.)
Temperature range:				
	Operating	• Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F)	• Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F)	• Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F)
	Storage	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (-4°F to 149°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	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, *Me and My Dell* on www.dell.com.		• Express charge (up to 80%) : 1 hour • Standard charge: 3 hours	• ExpressCharge Boost (0% up to 35%): 20 minutes • Express charge (up to 80%) : 1 hour • Standard charge: 3 hours	• Express charge (up to 80%) : 1 hour • Standard charge: 3 hours
Coin-cell battery		CR2032	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 Inspiron 14 5430.

Table 17. Display specifications

Description		Option one	Option two	Option three
Display type		14-inch, Full High Definition Plus (FHD+), ComfortView	14-inch, Full High Definition Plus (FHD+), ComfortView	14-inch, 2.5K, ComfortView Plus
Touch options		Non-touch	Touch	Non-touch
Display-panel technology		Wide-viewing angle (WVA)	Wide-viewing angle (WVA)	Wide-viewing angle (WVA)
Display-panel dimensions (active area):				
	Height	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)
	Width	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)
	Diagonal	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)
Display-panel native resolution		1920 x 1200	1920 x 1200	2560 x 1600
Luminance (typical)		250 nits	250 nits	300 nits
Megapixels		2.30	2.30	3.10
Color gamut		45% NTSC	45% NTSC	100% sRGB
Pixels Per Inch (PPI)		162	162	189
Contrast ratio (typical)		600:1	600:1	1000:1
Response time (max)		35 ms	35 ms	35 ms
Refresh rate		60 Hz	60 Hz	120 Hz
Horizontal view angle		• 80/80 +/- degrees (min.) • 85/85 +/- degrees (typ.)	• 80/80 +/- degrees (min.) • 85/85 +/- degrees (typ.)	• 80/80 +/- degrees (min.) • 85/85 +/- degrees (typ.)
Vertical view angle		• 80/80 +/- degrees (min.) • 85/85 +/- degrees (typ.)	• 80/80 +/- degrees (min.) • 85/85 +/- degrees (typ.)	• 80/80 +/- degrees (min.) • 85/85 +/- degrees (typ.)
Pixel pitch		0.157 mm x 0.157 mm	0.157 mm x 0.157 mm	0.1346 mm x 0.1346 mm
Power consumption (maximum)		3.20 W	3.55 W	5.30 W
Anti-glare vs glossy finish		Anti-glare	Glossy	Anti-glare

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint reader of your Inspiron 14 5430.

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

Table 18. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Trans-capacitive sensing
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88 pixel

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 14 5430.

Table 19. GPU—Integrated

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	13th Generation Intel Core i3U processors
Intel Iris Xe Graphics	Shared system memory	13th Generation Intel Core i5U/i5P/i7U/i7P processors

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 14 5430.

Table 20. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA GeForce MX550 (only for computers shipped with downfiring speakers)	2 GB	GDDR6
NVIDIA GeForce RTX 2050 (only for computers shipped with upfiring speakers)	4 GB	GDDR6

Multiple display support matrix

The following table lists the multiple display support matrix for your Inspiron 14 5430.

Table 21. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Intel UHD Graphics	Not supported	1	2
Intel Iris Xe Graphics	Not supported	1	2
NVIDIA GeForce MX550	Not supported	1	2
NVIDIA GeForce RTX 2050	Not supported	1	2

Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 14 5430.

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

Table 22. 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	0 m to 3048 m (0 ft to 10000 ft)	0 m to 10668 m (0 ft 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 user environment.

† Measured using a 2 ms half-sine pulse.

4

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 software solution 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.

5

ComfortView Plus

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 hardware solution 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.

6

Keyboard shortcuts of Inspiron 14 5430

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	Primary behavior
F1	Mute audio
F2	Decrease volume
F3	Increase volume
F4	Play/Pause
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	Decrease brightness
F7	Increase brightness
F8	Switch to external display
F10	Print screen
F11	Home
F12	End

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

Table 24. Secondary behavior

Function key	Secondary behavior
fn + Esc	Toggle fn-key lock
fn + S	Toggle scroll lock
fn + B	Pause/Break
fn + R	System request

Table 24. Secondary behavior (continued)

Function key	Secondary behavior
fn + Right ctrl	Open application menu
fn + / **NOTE:** This option is available only in Brazilian keyboard.	Open application menu
fn + Space bar	Open emoji menu
fn + T	Toggle ultra performance mode
fn + Left arrow	Home
fn + Right arrow	End

7

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
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
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	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.