

Latitude 5430 Chromebook

Setup and Specifications

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Set up your Latitude 5430 Chromebook

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.

For 2-in-1 configurations



For Clamshell configurations






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 Chromebook operating system setup.
Follow the on-screen instructions to complete the setup. For more information about installing and configuring Chromebook, go to [Chrome OS Support](#).
3. Locate and use Dell apps from the Google Chrome Web Store. For more information on downloading and installing apps on your Chromebook, search in the Knowledge Base Resource at www.dell.com/support

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

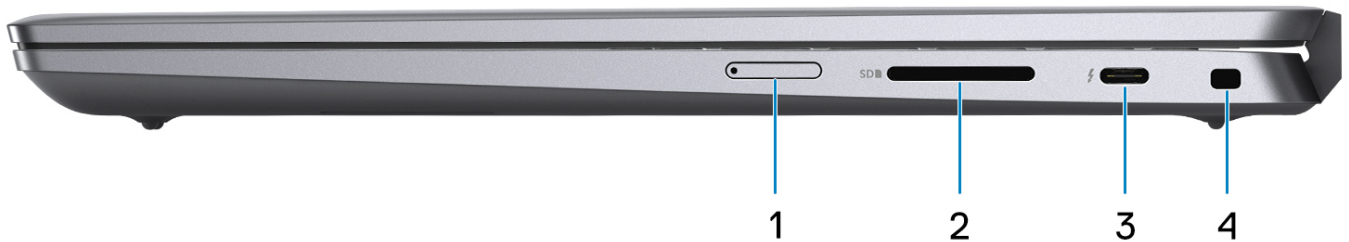
Table 1. Locate Dell apps (continued)

Resources	Description
	<p>operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p>Dell Update</p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>Dell Digital Delivery</p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p>

Views of Latitude 5430 Chromebook

Right

Clamshell view



1. microSIM card slot(optional)
2. SD 3.0 card slot
3. Thunderbolt4/USB 3.2 Gen 2 Type-C port with Power Delivery and Display port Alt mode
4. Wedge-shaped lock slot

2-in-1 view



1. Power button
2. SD 3.0 card slot
3. Thunderbolt4/USB 3.2 Gen 2 Type-C port with Power Delivery and Display port Alt mode
4. Wedge-shaped lock slot

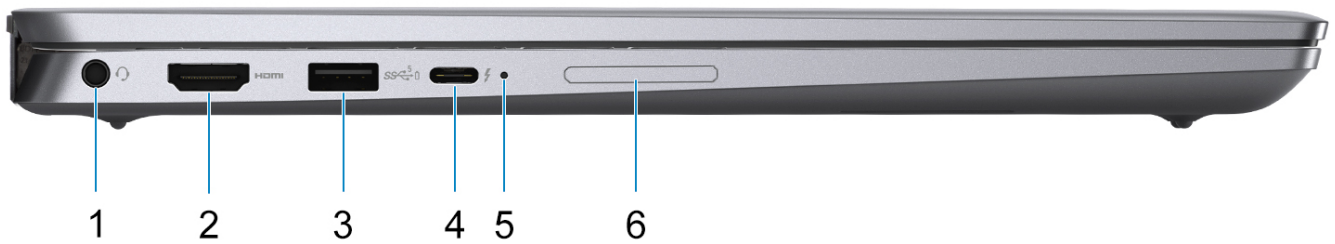
Left

Clamshell view



1. Global headset jack
2. HDMI 1.4b port
3. USB 3.2 Gen 1 port with PowerShare
4. Thunderbolt4/USB 3.2 Gen 2 Type-C port with Power Delivery and Display port Alt mode
5. Battery indicator

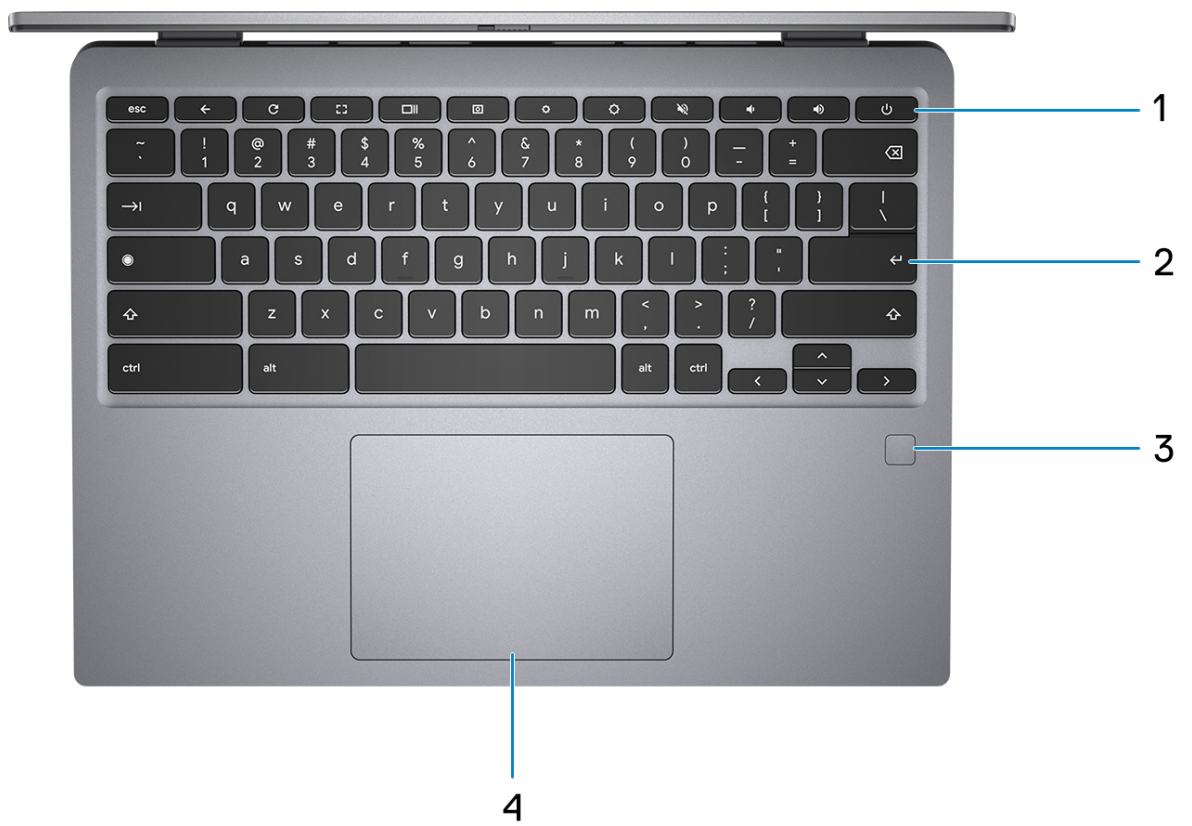
2-in-1 view



1. Global headset jack
2. HDMI 1.4b port
3. USB 3.2 Gen 1 port with PowerShare
4. Thunderbolt4/USB 3.2 Gen 2 Type-C port with Power Delivery and Display port Alt mode
5. Battery indicator
6. Volume control button

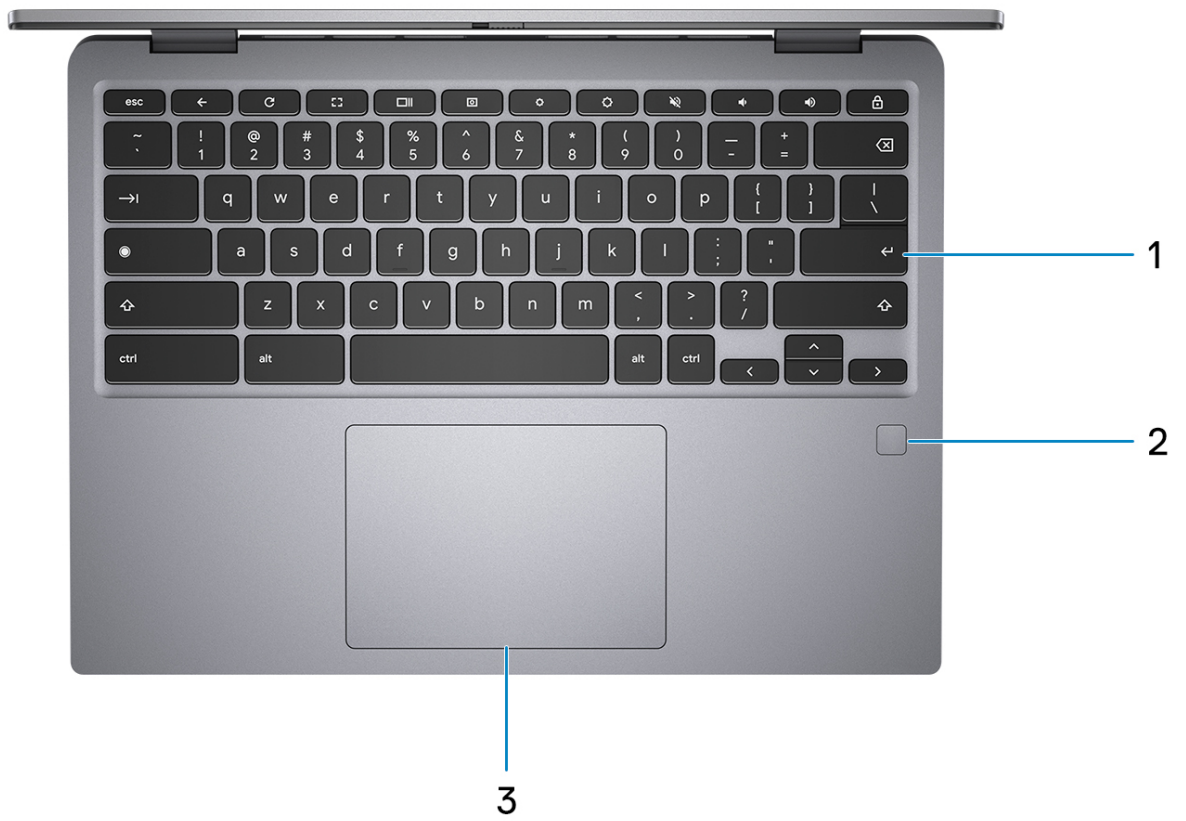
Top

Clamshell view



1. Power button
2. Keyboard
3. Fingerprint reader (optional)
4. Touchpad

2-in-1 view



1. Keyboard
2. Fingerprint reader
3. Touchpad

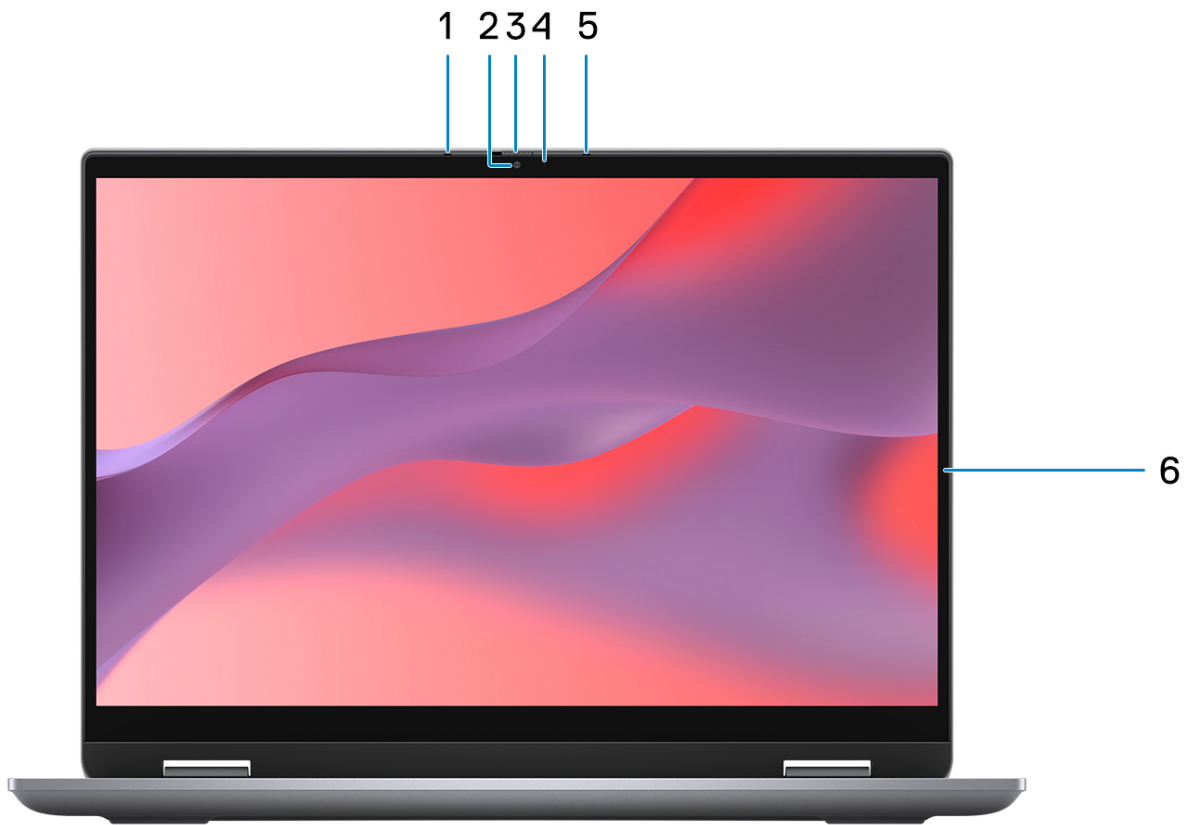
Display

Clamshell view



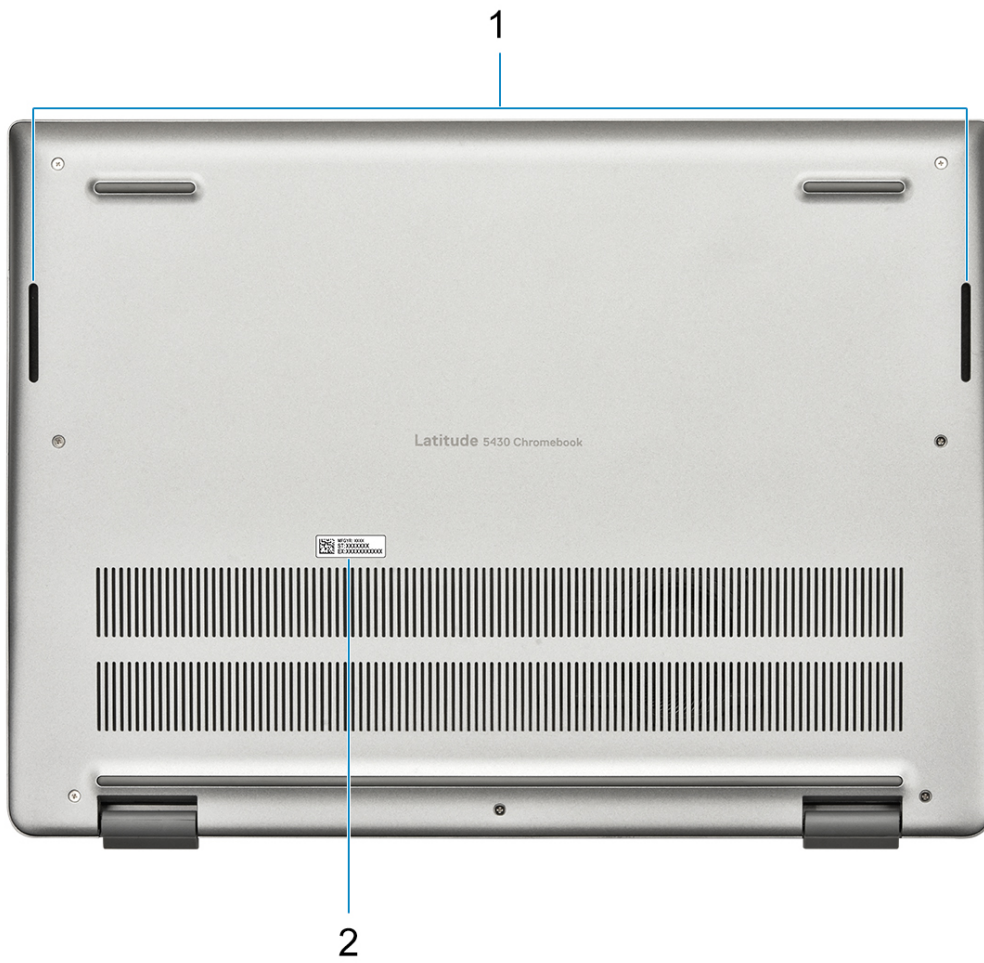
1. Dual-array microphone
2. RGB Camera
3. Camera shutter
4. Camera status LED
5. Dual-array microphone
6. LCD panel

2-in-1 view



1. Dual-array microphone
2. RGB Camera
3. Camera shutter
4. Camera status LED
5. Dual-array microphone
6. LCD panel

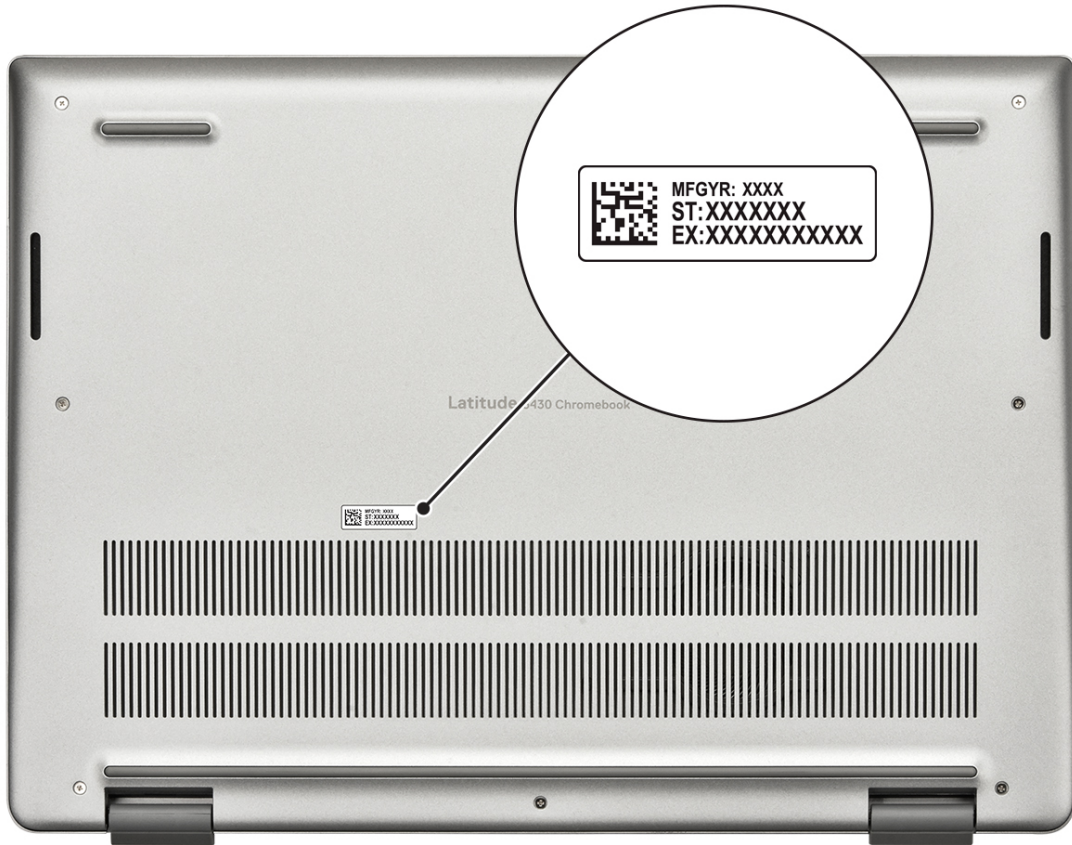
Bottom



- 1. Speaker mesh
- 2. Service Tag and regulatory labels

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.



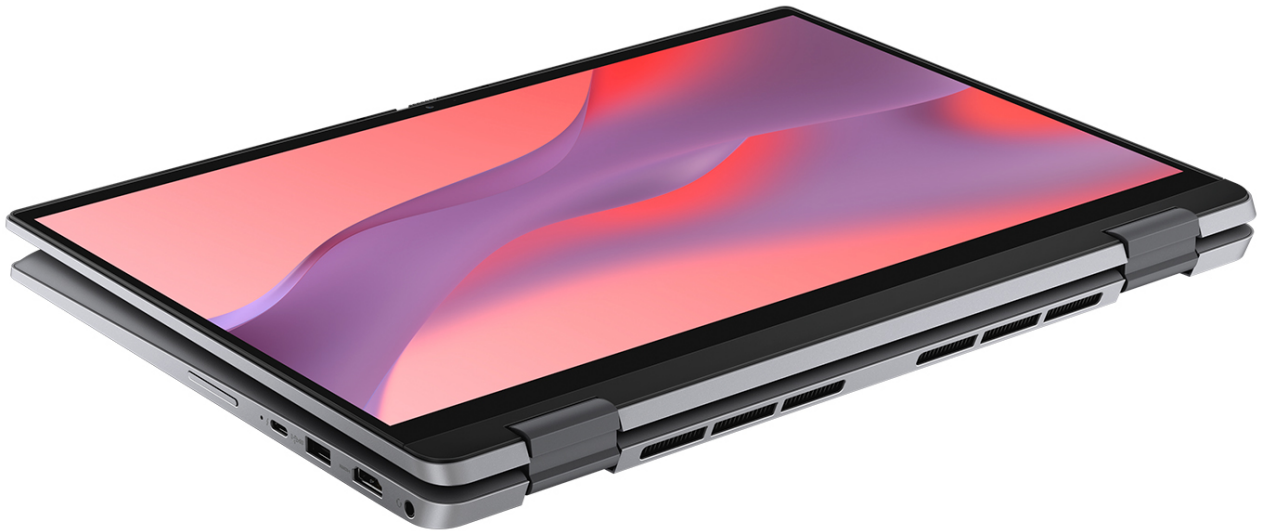
Modes

The following modes are applicable for your 2-in-1 computers.

Notebook



Tablet



Stand





Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 5430 Chromebook.

Table 2. Battery charge and status light behavior

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Solid White	S0 - S5	< 96 %
AC Adapter	Off	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	> 10 % - 100 %
Battery	Solid Amber	S0 - S3 (S0iX/Modern standby mode)	<= 10 % (Low or Critically Low)
Battery	Off	S4 - S5	<= 10 % (Low or Critically Low)
Battery	Blinking Amber	S0 - S5	Error


- S0 (ON)—System is turned on.
- S5/S4/S3/Modern Standby (Off/Hibernate)— The system is in hibernate mode when 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 hard drive. The system is in a shutdown state when in off mode.

Specifications of Latitude 5430 Chromebook

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 5430 Chromebook.

Table 3. Dimensions and weight

Description	Clamshell values	2-in-1 values
Height:		
Front height	0.64 in. (16.17 mm)	0.64 in. (16.17 mm)
Rear height	0.72 in. (18.37 mm)	0.72 in. (18.37 mm)
Width	12.36 in. (314 mm)	12.36 in. (314 mm)
Depth	9.15 in. (232.45 mm)	9.15 in. (232.45 mm)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	<ul style="list-style-type: none"> Minimum—1.51 kg (3.34 lbs) 	<ul style="list-style-type: none"> Minimum—1.67 kg (3.67 lbs)

Processor

The following table lists the details of the processors supported by your Latitude 5430 Chromebook.

Table 4. Processor

Description	Option one	Option two	Option three	Option four	Option five
Processor type	12 th Generation Intel Pentium Gold Processor 8505	12 th Generation Intel Core i3-1215U	12 th Generation Intel Core i5-1235U	12 th Generation Intel Core i5-1245U vPro	12 th Generation Intel Core i7-1255U
Processor wattage	15 W	15 W	15 W	15 W	15 W
Processor core count	5	6	10	10	10
Processor thread count	6	8	12	12	12
Processor speed	Up to 4.40 GHz	Up to 4.40 GHz	Up to 4.40 GHz	Up to 4.40 GHz	Up to 4.40 GHz
Processor cache	8 MB	10 MB	12 MB	12 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics

Chipset

The following table lists the details of the chipset supported by your Latitude 5430 Chromebook.

Table 5. Chipset

Description	Values
Chipset	Intel ADP-P PCH
Processor	12 th Generation Intel Pentium Gold Processor 8505/12 th Generation Intel Core i3/i5/i7
DRAM bus width	64 bit
Flash EPROM	32 MB
PCIe bus	4.0

Operating system

Your Latitude 5430 Chromebook supports the following operating systems:

- Google Chrome operating system

Memory

The following table lists the memory specifications of your Latitude 5430 Chromebook.

Table 6. Memory specifications

Description	Values
Memory slots	Integrated on system board
Memory type	Dual-channel LPDDR5 (Non-ECC)
Memory speed	4800 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB, LPDDR5, 4800 MHz• 16 GB, LPDDR5, 4800 MHz

External ports

The following table lists the external ports on your Latitude 5430 Chromebook.

Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none">• Two Thunderbolt4/USB 3.2 Gen 2 Type-C port with Power Delivery and Display port Alt mode• One USB 3.2 Gen 1 port with PowerShare

Table 7. External ports (continued)

Description	Values
	<ul style="list-style-type: none"> One HDMI 1.4b port
Audio port	One Global headset jack
Video port/ports	Supported through a dock or directly through USB Type-C/ HDMI
Media-card reader	One SD 3.0 card slot
Power-adaptor port	65 W adapter USB-C
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Latitude 5430 Chromebook.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for solid-state drive (optional) <ul style="list-style-type: none"> NOTE: M.2 2230 slot for SSD is not available for models shipped with Intel Pentium and eMMC configuration. One M.2 3042 slot for WWAN card (optional) <ul style="list-style-type: none"> 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 supported on your Latitude 5430 Chromebook.


Table 9. Wireless module specifications

Description	Values
Model number	Intel AX211
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac) Wi-Fi 6E (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP
Bluetooth	Bluetooth 5.3

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 5430 Chromebook.

Table 10. WWAN module specifications

Description	Values
Model number	Qualcomm Snapdragon X12 Global LTE-Advanced
Transfer rate	<ul style="list-style-type: none"> Up to 300 Mbps DL (CAT6) Up to 50 Mbps UL
Frequency bands supported	<ul style="list-style-type: none"> LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B38, B39, B40, B41, B41 HPUE, B42, B43, B48, B66, B71) HSPA+ (1,2,4,5,6,8,19)
Wireless standards	<ul style="list-style-type: none"> LTE FDD/TDD WCDMA/HSPA+ GPS/GLONASS/Beidou/Galileo
Global Navigation Satellite System (GNSS)	GPS/GLONASS/Beidou/Galileo
 NOTE: For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, search in the Knowledge Base Resource at www.dell.com/support .	

Audio

The following table lists the audio specifications of your Latitude 5430 Chromebook.

Table 11. Audio specifications

Description	Values
Audio type	Stereo speakers with Waves MaxxAudio
Audio controller	CS42L42-CNZR-1
Stereo conversion	Not supported
Internal audio interface	I ² S
External audio interface	Global headset jack
Number of speakers	2
Internal-speaker amplifier	Maxim MAX98360
External volume controls	Supported
Speaker output:	
Average speaker output	2 W
Peak speaker output	2.5 W
Subwoofer output	Not supported

Table 11. Audio specifications (continued)

Description	Values
Microphone	Dual-array

Storage

This section lists the storage options on your Latitude 5430 Chromebook.

Your Latitude 5430 Chromebook supports one of the following storage configuration:

- One M.2 2230 solid-state drive
- eMMC onboard


Table 12. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe NVMe Gen4 x4	256 GB and 512 GB
eMMC onboard	eMMC 5.1	64 GB

Media-card reader

The following table lists the media cards supported by your Latitude 5430 Chromebook.

Table 13. Media-card reader specifications

Description	Values
Media-card type	One SD 3.0 card
Media-cards supported	<ul style="list-style-type: none"> • 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 Latitude 5430 Chromebook.

Table 14. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none"> • Standard Backlit Keyboard for clamshell • Standard Non-Backlit Keyboard for clamshell • Standard Backlit Keyboard for 2-in-1 • Standard Non-Backlit Keyboard for 2-in-1
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> • United States and Canada: 74 keys • United Kingdom: 75 keys • Japan: 78 keys

Table 14. Keyboard specifications (continued)

Description	Values
Keyboard size	X=19.00 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) changing Function Key Behavior in BIOS setup program.

Camera

The following table lists the camera specifications of your Latitude 5430 Chromebook.

Table 15. Camera specifications

Description	Values
Number of cameras	One
Camera type	<ul style="list-style-type: none"> • HD RGB camera • FHD RGB camera
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	<ul style="list-style-type: none"> • 0.92 megapixels • 2.07 megapixels
Video	<ul style="list-style-type: none"> • 1280 x 720 (HD) at 30 fps • 1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle:	78.6 degrees

Touchpad

The following table lists the touchpad specifications of your Latitude 5430 Chromebook.

Table 16. Touchpad specifications

Description	Values
Touchpad resolution:	>300 dpi
Touchpad dimensions:	
Horizontal	115.0 mm
Vertical	80.0 mm

Table 16. Touchpad specifications (continued)

Description	Values
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 Latitude 5430 Chromebook.

Table 17. Power adapter specifications

Description	Values
Type	65 W adapter USB-C
Input voltage	100 VAC to 240 VAC
Input frequency	50 Hz to 60 Hz
Input current (maximum)	1.7 A
Output current (continuous)	<ul style="list-style-type: none"> 20 V/3.25 A (Continuous) 15 V/3 A (Continuous) 9.0 V/3 A (Continuous) 5.0 V/3 A (Continuous)
Rated output voltage	20 VDC/15 VDC/9 VDC/5 VDC
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)

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 Latitude 5430 Chromebook.

Table 18. Battery specifications

Description	Option one	Option two
Battery type	54 Wh 4-cell lithium battery	64 Wh 4-cell lithium battery
Battery voltage	15 V	15 V
Battery weight (maximum)	0.235 kg	0.26 kg
Battery dimensions:		
Height	5.75 mm	5.75 mm
Width	271.9 mm	271.9 mm

Table 18. Battery specifications (continued)

Description		Option one	Option two
	Depth	82.0 mm	82.0 mm
Temperature range:			
	Operating	0°C to 60°C (32°F to 140°F)	0°C to 60°C (32°F to 140°F)
	Storage	-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.
Battery charging time (approximate) ⓘ NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com .		<ul style="list-style-type: none"> 0~15°C—4 hours (when the computer is off) 16~45°C—2 hours (when the computer is off) 46~50°C—3 hours(when the computer is off) 	<ul style="list-style-type: none"> 0~15°C—4 hours (when the computer is off) 16~45°C—2 hours (when the computer is off) 46~50°C—3 hours(when the computer is off)
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 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 Latitude 5430 Chromebook.

Table 19. Display specifications

Description		Option one (Clamshell configuration only)	Option two (Clamshell and 2-in-1 configurations)	Option three (Clamshell configuration only)
Display type		Full High Definition Plus (FHD+)	Full High Definition Plus (FHD+)	Quad High Definiton Plus (QHD+)
Touch options		No	Yes	No
Display-panel technology		Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):				
	Height	301.59 mm	301.59 mm	301.59 mm
	Width	188.5 mm	188.5 mm	188.5 mm
	Diagonal	355.65 mm	355.65 mm	355.65 mm
Display-panel native resolution		1920 x 1200	1920 x 1200	2560 x 1600
Luminance (typical)		250 nits	250 nits	300 nits

Table 19. Display specifications (continued)

Description	Option one (Clamshell configuration only)	Option two (Clamshell and 2-in-1 configurations)	Option three (Clamshell configuration only)
Megapixels	2.3 megapixel	2.3 megapixel	4.09 megapixel
Color gamut	45% (NTSC)	45% (NTSC)	100% (sRGB)
Pixels Per Inch (PPI)	162	162	216
Contrast ratio (typical)	600:1	600:1	1000:1
Response time (max)	35 ms	35 ms	35 ms
Refresh rate	60 Hz	60 Hz	48 Hz to 90 Hz
Horizontal view angle	85 +/- degrees	85 +/- degrees	85 +/- degrees
Vertical view angle	85 +/- degrees	85 +/- degrees	85 +/- degrees
Pixel pitch	0.157 mm	0.157 mm	0.1178 mm
Power consumption (maximum)	3.6 W	3.6 W	5.3 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 5430 Chromebook.

Table 20. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	508 dpi
Fingerprint-reader sensor pixel size	160 x 160 pixel

Sensor

The following table lists the sensor of your Latitude 5430 Chromebook.

Table 21. Sensor

Sensor support
Hall sensor
Accelerometer/Gyroscope
Fingerprint sensor

GPU—Integrated

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

Table 22. GPU—Integrated

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

Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 5430 Chromebook.

Table 23. Multiple display support matrix

Graphics Card	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Intel UHD Graphics	3	4
Intel Iris Xe Graphics	3	4

Hardware security

The following table lists the hardware security of your Latitude 5430 Chromebook.

Table 24. Hardware security

Hardware security
Hardware security IC (H1B3C)
One wedge-shaped lock slot
Fingerprint Reader (optional)
Statement of Non-Volatility

Operating and storage environment


This table lists the operating and storage specifications of your Latitude 5430 Chromebook.

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

Table 25. Computer environment

Description	Operating	Storage
Temperature range	-29°C to 63°C (-20.2°F to 145.4°F)	-51°C to 71°C (-59.8°F to 159.8°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	5% to 95% (non-condensing)
Vibration (maximum)*	0.20 GRMS	1.37 GRMS

Table 25. Computer environment (continued)

Description	Operating	Storage
Shock (maximum)	40 G†	30 G†
Altitude range	12192 (4000 ft)	12192 (4000 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.

Keyboard special keys

The Chrome device keyboard is designed to help you get to the things you need the most. The table below is an overview of the special keys on the top row of the keyboard:

Table 26. Keyboard special keys


Special keys	
	Go to the previous page in browser history.
	Reload current page.
	Enter Immersive mode, which hides the tabs and launcher.
	Enter Overview mode, which shows all windows.
	Take screenshot.
	Decrease screen brightness.
	Increase screen brightness.
	Mute.
	Decrease the volume.
	Increase the volume.

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 27. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
Tips	
Online help for operating system	For support on your Chromebook, refer Chrome OS Support .
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support . For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer .
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

 **NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

 **NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.