

# Latitude 7430

## 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 7430

**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](http://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
	<p><b>Dell Product Registration</b> Register your computer with Dell.</p>
	<p><b>Dell Help &amp; Support</b> Access help and support for your computer.</p>
	<p><b>SupportAssist</b> 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 <a href="http://www.dell.com/serviceabilitytools">www.dell.com/serviceabilitytools</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p><b>Dell Update</b> 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 <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>
	<p><b>Dell Digital Delivery</b> 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 <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

## Views of Latitude 7430

### Right



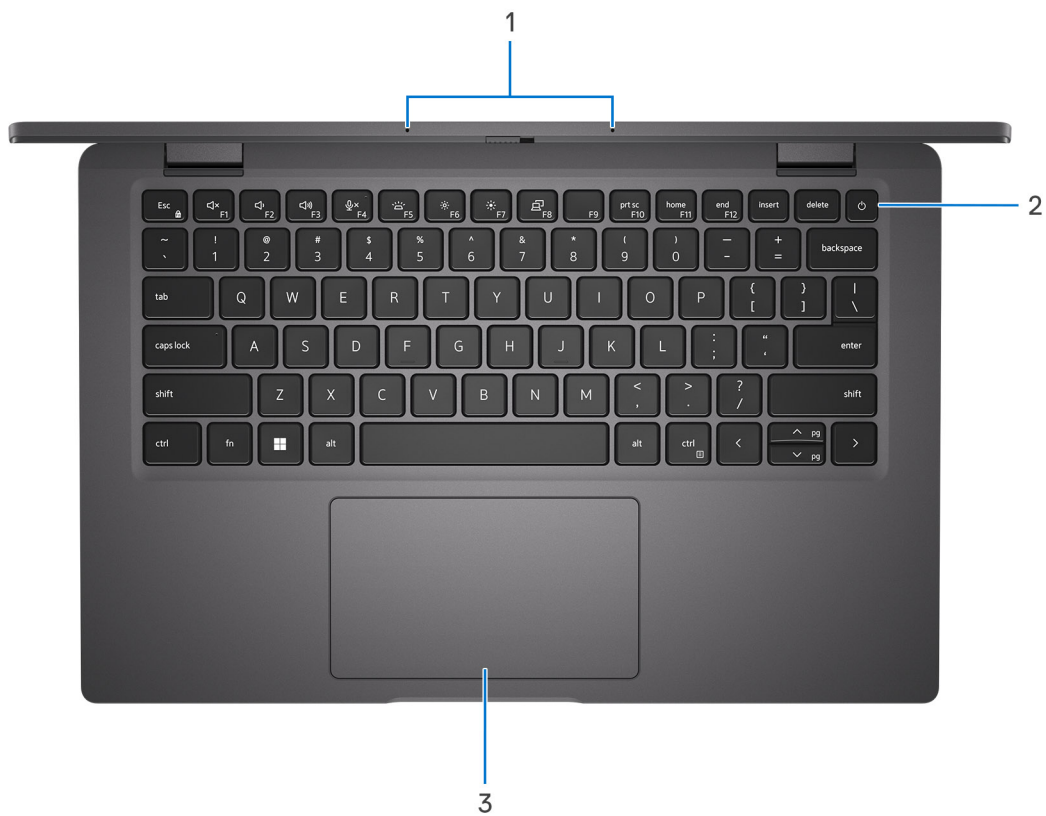
1. microSIM-card slot (optional with WWAN configuration only)
2. Thunderbolt 4.0 port with Power Delivery and DisplayPort 1.4 Alt mode
3. USB 3.2 Gen 1 port with PowerShare
4. HDMI 2.0 port
5. Wedge-shaped lock slot

### Left



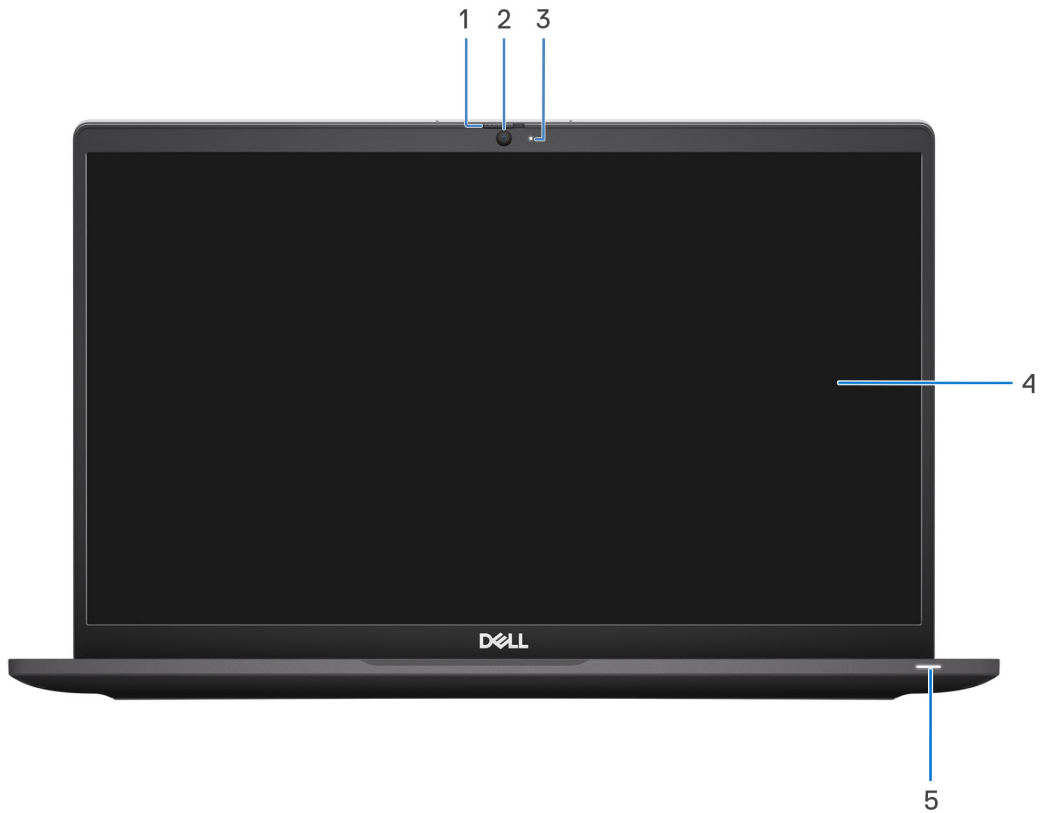
1. Thunderbolt 4.0 port with Power Delivery and DisplayPort 1.4 Alt mode
2. Air vents
3. Universal audio port
4. Smart-card reader slot (optional)

# Top



1. Microphone array
2. Power button with optional fingerprint reader
3. Touchpad

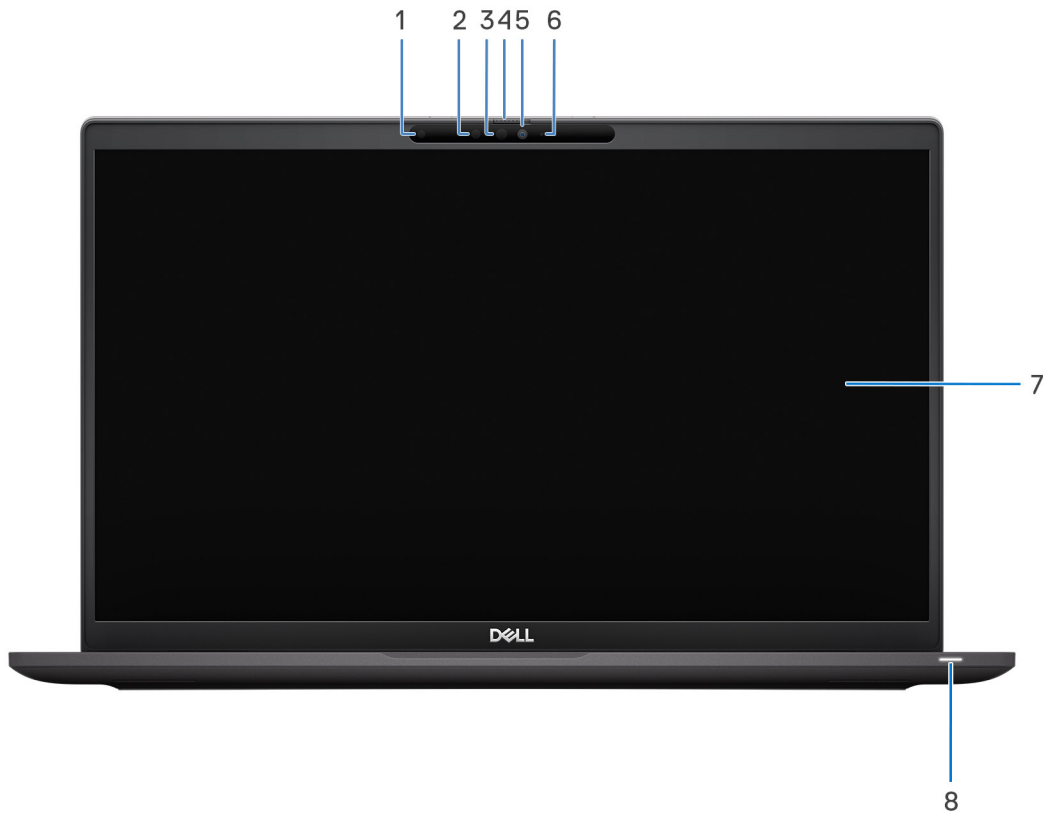
# Display



**Figure 1. Laptop**

1. Camera shutter
2. RGB camera
3. Camera indicator LED
4. LCD panel
5. Battery indicator/diagnostic LED

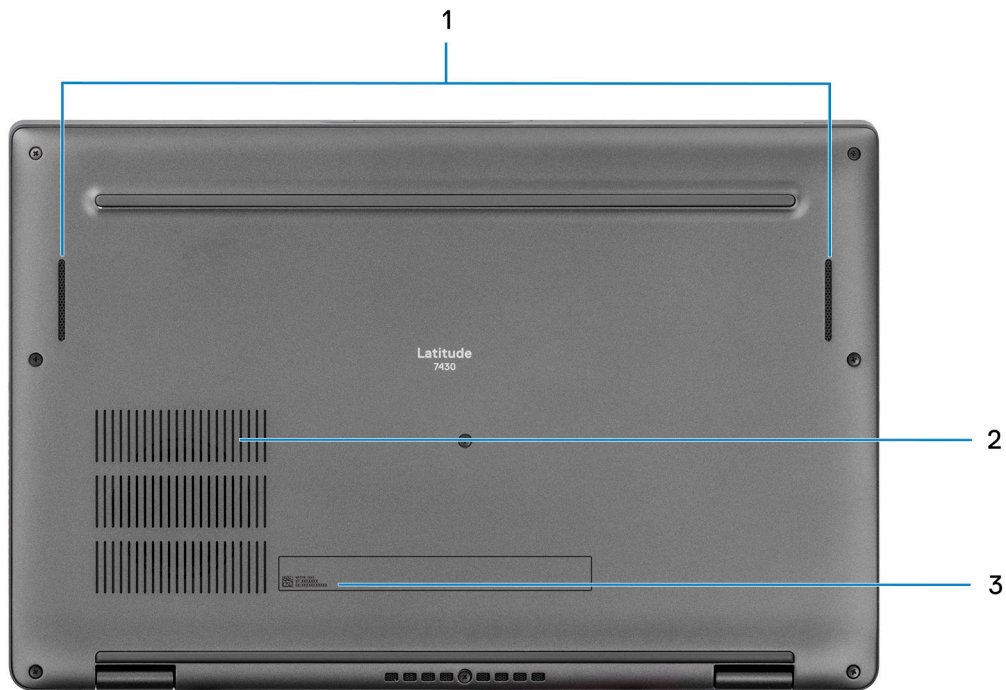




**Figure 2. 2-in-1**

1. Ambient Light Sensor (ALS)
2. IR emitter (optional)
3. IR camera (optional)
4. Camera shutter
5. RGB camera
6. Camera indicator LED
7. LCD panel
8. Battery indicator/diagnostic LED

# Bottom



- 1. Speakers
- 2. Air vents
- 3. 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

**i** **NOTE:** The following modes are applicable only to Latitude 7430 2-in-1 computers.

### Notebook



### Tablet



## Stand



## Tent



# Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 7430.

**Table 2. 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, expect for a trickle power. The context data is written to hard drive.
- S5 (OFF) - The system is in a shutdown state.

# Specifications of Latitude 7430

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 7430.

**Table 3. Dimensions and weight**

Description	Clamshell			2-in-1	
	Carbon Fiber (U15 Processors)	Carbon Fiber (P28 Processors)	Aluminum Titan Gray	Carbon Fiber	Aluminum Titan Gray
Height:					
Front height	17.27 mm (0.68 in.)	18.47 mm (0.727 in.)	16.90 mm (0.66 in.)	17.06 mm (0.67 in.)	16.40 mm (0.65 in.)
Rear height	18.88 mm (0.74 in.)	20.08 mm (0.79 in.)	18.00 mm (0.71 in.)	18.91 mm (0.74 in.)	18.70 mm (0.73 in.)
Width	321.35 mm (12.65 in.)	321.35 mm (12.65 in.)	321.35 mm (12.65 in.)	321.35 mm (12.65 in.)	321.35 mm (12.65 in.)
Depth	208.69 mm (8.22 in.)	208.69 mm (8.22 in.)	208.69 mm (8.22 in.)	208.69 mm (8.22 in.)	208.69 mm (8.22 in.)
Weight (minimum)	1.22 kg (2.69 lb) <b>i</b> <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.	1.24 kg (2.73 lb) <b>i</b> <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.	1.27 kg (2.79 lb) <b>i</b> <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.	1.35 kg (2.97 lb) <b>i</b> <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.	1.44 kg (3.18 lb) <b>i</b> <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.
<b>i</b> <b>NOTE:</b> U15 and P28 are references to processor types that are supported by your Latitude 7430.					


## Processor

The following table lists the details of the processors that are supported by your Latitude 7430 .

**Table 4. Processor**

Description	Option one (U15 processor)	Option two (U15 processor)	Option three (P28 processor)	Option four (U15 processor)	Option five (U15 processor)	Option six (P28 processor)	Option seven (P28 processor)
Processor type	12 <sup>th</sup> Generation	12 <sup>th</sup> Generation	12 <sup>th</sup> Generation	12 <sup>th</sup> Generation	12 <sup>th</sup> Generation	12 <sup>th</sup> Generation	12 <sup>th</sup> Generation Intel vPro

**Table 4. Processor (continued)**

Description	Option one (U15 processor)	Option two (U15 processor)	Option three (P28 processor)	Option four (U15 processor)	Option five (U15 processor)	Option six (P28 processor)	Option seven (P28 processor)
	Intel Core i5-1235U	Intel Core i7-1255U	Intel Core i5-1240P	Intel vPro Enterprise with Intel Core i5-1245U	Intel vPro Enterprise with Intel Core i7-1265U	Intel vPro Enterprise with Intel Core i5-1250P	Enterprise with Intel Core i7-1270P
Processor wattage	15 W	15 W	28 W	15 W	15 W	28 W	28 W
Processor core count	10	10	12	10	10	12	12
Processor thread count	12	12	16	12	12	16	16
Processor speed	Up to 4.40 GHz	Up to 4.70 GHz	Up to 4.40 GHz	Up to 4.40 GHz	Up to 4.80 GHz	Up to 4.40 GHz	Up to 4.80 GHz
Processor cache	12 MB	12 MB	12 MB	12 MB	12 MB	12 MB	18 MB
Integrated graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics
 <b>NOTE:</b> 15 W processor is referred to as U15 processor type. 28 W processor is referred to as P28 processor type.							

## Chipset

The following table lists the details of the chipset supported by your Latitude 7430.


**Table 5. Chipset**

Description	Values
Chipset	Intel PCH-LP
Processor	12 <sup>th</sup> Generation Intel Core i5/i7 processors
DRAM bus width	Dual channel, 64-bit
Flash EPROM	32 MB + 16 MB
PCIe bus	Up to Gen 4.0

## Operating system

Your Latitude 7430 supports the following operating systems:



- Windows 11 Pro
- Windows 11 Home
- Windows 11 Pro Downgrade (Windows 10 Image Factory Installed)
- Ubuntu Linux 20.04 LTS, 64-bit

 **NOTE:** Ubuntu is not available for 2-in-1 computers.

# Memory

The following table lists the memory specifications of your Latitude 7430.

**Table 6. Memory specifications**

Description	Values
Memory	Integrated on the system board  <b>NOTE:</b> You cannot upgrade the memory on your Latitude 7430
Memory type	<ul style="list-style-type: none"> <li>• DDR4 available on 12<sup>th</sup> Generation Intel Core U15 processors</li> <li>• LPDDR5 available on 12<sup>th</sup> Generation Intel Core P28 processors</li> </ul>
Memory speed	<ul style="list-style-type: none"> <li>• 3200 MHz available on 12<sup>th</sup> Generation Intel Core U15 processors</li> <li>• 4800 MHz available on 12<sup>th</sup> Generation Intel Core P28 processors</li> </ul>
Maximum memory configuration	<ul style="list-style-type: none"> <li>• DDR4: 32 GB</li> <li>• LPDDR5: 32 GB</li> </ul>
Minimum memory configuration	<ul style="list-style-type: none"> <li>• DDR4: 8 GB</li> <li>• LPDDR5: 16 GB</li> </ul>
Memory size	<ul style="list-style-type: none"> <li>• DDR4: 8 GB, 16 GB and 32 GB</li> <li>• LPDDR5: 16 GB and 32 GB</li> </ul>
Memory configurations supported	DDR4: <ul style="list-style-type: none"> <li>• 8 GB, DDR4, 3200 MHz, integrated, dual-channel</li> <li>• 16 GB, DDR4, 3200 MHz, integrated, dual-channel</li> <li>• 32 GB, DDR4, 3200 MHz, integrated, dual-channel</li> </ul> LPDDR5: <ul style="list-style-type: none"> <li>• 16 GB, LPDDR5, 4800 MHz, integrated, dual-channel</li> <li>• 32 GB, LPDDR5, 4800 MHz, integrated, dual-channel</li> </ul>
 <b>NOTE:</b> U15 and P28 are references to processor types that are supported by your Latitude 7430.	

# External ports

The following table lists the external ports on your Latitude 7430.

**Table 7. External ports**

Description	Values
USB ports	<ul style="list-style-type: none"> <li>• Two USB Type-C Thunderbolt 4.0 ports with Power Delivery and DisplayPort 1.4 Alt mode</li> <li>• One USB 3.2 Gen 1 port with PowerShare</li> </ul>
Audio port	One universal audio port
Video port/ports	One HDMI 2.0 port
SIM-card slot	One microSIM-card slot (optional)




**Table 7. External ports (continued)**

Description	Values
Power-adapter port	Two USB Type-C Thunderbolt 4.0 ports with Power Delivery
Security-cable slot	One wedge-shaped lock slot

## Internal slots

The following table lists the internal slots of your Latitude 7430.


**Table 8. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"><li>One M.2 3042 Key-B slot for WWAN (optional)</li><li>One M.2 2230/2280 slot for solid-state drive</li></ul> <p> <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>.</p>

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Latitude 7430.


**Table 9. Wireless module specifications**

Description	Values
Model number	Intel AX211  <b>NOTE:</b> Built on system board and not replaceable as a standalone part
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.40 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"><li>WiFi 802.11a/b/g</li><li>Wi-Fi 4 (WiFi 802.11n)</li><li>Wi-Fi 5 (WiFi 802.11ac)</li><li>Wi-Fi 6E (WiFi 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>
Bluetooth	Bluetooth 5.2

# WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 7430.

## WWAN module specifications

Description	Option one	Option two	Option three
Model number	Qualcomm Snapdragon X20 LTE-A CAT16 (DW5821e)	Qualcomm Snapdragon X20 LTE-A CAT9 (DW5829e)	Qualcomm Snapdragon X55 Global 5G Modem (DW5930e)
Transfer rate	Up to 1 Gbps DL/150 Mbps UL (Cat 16)	Up to 450 Mbps DL/50 Mbps UL (Cat 9)	Up to 1 Gbps DL/150 Mbps UL (Cat 16)
Frequency bands supported	<ul style="list-style-type: none"> <li>LTE (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 46, 66)</li> <li>HSPA+ (1, 2, 4, 5, 6, 8, 9, 19)</li> </ul>	<ul style="list-style-type: none"> <li>LTE (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 66)</li> <li>HSPA+ (1, 2, 4, 5, 8)</li> </ul>	<ul style="list-style-type: none"> <li>NR (1, 2, 3, 5, 7, 8, 12, 20, 28, 38, 41, 66, 71, 77, 78, 79)</li> <li>LTE (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 46, 66)</li> <li>HSPA+ (1, 2, 4, 5, 6, 8, 9, 19)</li> </ul>
Wireless standards	<ul style="list-style-type: none"> <li>LTE FDD/TDD</li> <li>WCDMA/HSPA+</li> </ul>	<ul style="list-style-type: none"> <li>LTE FDD/TDD</li> <li>WCDMA/HSPA+</li> </ul>	<ul style="list-style-type: none"> <li>NR FR1 (Sub6) FDD/TDD</li> <li>LTE FDD/TDD</li> <li>WCDMA/HSPA+</li> </ul>
Encryption	AECS	AECS	AECS
Global Navigation Satellite System (GNSS)	GPS/GLONASS/Beidou/Galileo	GPS/GLONASS/Beidou/Galileo	GPS/GLONASS/Beidou/Galileo
 <b>NOTE:</b> For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a> .			

# Audio

The following table lists the audio specifications of your Latitude 7430.

**Table 10. Audio specifications**

Description	Values
Audio controller	Realtek ALC3281-CG
Stereo conversion	Supported
Internal audio interface	High definition audio interface
External audio interface	One universal audio port
Number of speakers	Two
Internal-speaker amplifier	Not supported
External volume controls	Keyboard shortcut controls

**Table 10. Audio specifications (continued)**

Description		Values
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Dual-array microphones

## Storage

This section lists the storage options on your Latitude 7430.

Your computer 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 11. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen3 x4	Up to 512 GB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen4 x4	Up to 512 GB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	Up to 1 TB
M.2 2230, Class 35 solid-state drive, self-encrypting drive	PCIe NVMe Gen3 x4	256 GB
M.2 2230, Class 35 solid-state drive, self-encrypting drive	PCIe NVMe Gen4 x4	256 GB
M.2 2280, Class 40 solid-state drive, self-encrypting drive	PCIe NVMe Gen4 x4	512 GB

## Keyboard

The following table lists the keyboard specifications of your Latitude 7430.

**Table 12. Keyboard specifications**

Description	Values
Keyboard type	<ul style="list-style-type: none"> <li>• Standard backlit keyboard</li> <li>• Standard non-backlit keyboard</li> </ul>
Keyboard layout	QWERTY/KANJI
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> </ul>
Keyboard size	X = 19.05 mm key pitch Y = 18.05 mm key pitch

**Table 12. Keyboard specifications (continued)**

Description	Values
Keyboard shortcuts	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p><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.</p>

## Camera

The following table lists the camera specifications of your Latitude 7430.

**Table 13. Camera specifications**

Description	Option one	Option two	Option three	Option four
Number of cameras	There is one camera option: <ul style="list-style-type: none"> <li>• HD RGB camera</li> </ul>	There is one camera option: <ul style="list-style-type: none"> <li>• HD RGB camera</li> </ul>	There are two camera options: <ul style="list-style-type: none"> <li>• FHD RGB camera</li> <li>• IR camera</li> </ul>	There are two camera options: <ul style="list-style-type: none"> <li>• FHD RGB camera</li> <li>• IR camera</li> </ul>
Camera type	2.7 mm HD RGB webcam	6 mm HD RGB webcam	3.25 mm FHD RGB/IR webcam with camera proximity detection and ALS	6 mm FHD RGB/IR webcam with camera proximity detection and ALS
Camera location	Front camera	Front camera	Front camera	Front camera
Camera sensor type	CMOS sensor technology	CMOS sensor technology	CMOS sensor technology	CMOS sensor technology
Camera resolution:				
Still image	0.92 megapixel	0.92 megapixel	2.00 megapixel	2.00 megapixel
Video	1280 x 720 (HD) at 30 fps	1280 x 720 (HD) at 30 fps	1920 x 1080 (FHD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:				
Still image	NA	NA	0.23 megapixel	0.23 megapixel
Video	NA	NA	640 x 360 (VGA) at 15 fps	640 x 360 (VGA) at 15 fps
Diagonal viewing angle:				
Camera	74.9 degrees	78.6 degrees	78.6 degrees	87.6 degrees
Infrared camera	NA	NA	87.6 degrees	87.6 degrees

# Touchpad

The following table lists the touchpad specifications of your Latitude 7430.

**Table 14. Touchpad specifications**

Description		Values
Touchpad resolution:		
	Horizontal	>= 300 dpi
	Vertical	>= 300 dpi
Touchpad dimensions:		
	Horizontal	115 mm (4.52 in.)
	Vertical	65 mm (2.56 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 Latitude 7430.

**Table 15. Power adapter specifications**


Description	Option one	Option two	Option three
Type	60 W AC adapter, USB-C, Small form factor	65 W AC adapter, USB-C	90 W AC adapter, USB-C
Power-adapter dimensions:			
Height	22.00 mm (0.866 in.)	28.00 mm (1.10 in.)	22.00 mm (0.87 in.)
Width	66.00 mm (2.598 in.)	112.00 mm (4.41 in.)	130.00 mm (5.12 in.)
Depth	55.00 mm (2.165 in.)	51.00 mm (2.01 in.)	66.00 mm (2.60 in.)
Weight	0.105 kg (0.231 lb)	0.201 kg (0.443 lb)	0.291 g (0.641 lb)
Input voltage	100 VAC – 240 VAC	100 VAC – 240 VAC	100 VAC – 240 VAC
Input frequency	50 Hz – 60 Hz	50 Hz – 60 Hz	50 Hz – 60 Hz
Input current (maximum)	1.70 A	1.70 A	1.50 A
Output current (continuous)	<ul style="list-style-type: none"> <li>● 5 V/3 A</li> <li>● 9 V/3 A</li> <li>● 15 V/3 A</li> <li>● 20 V/3 A</li> </ul>	<ul style="list-style-type: none"> <li>● 5 V/3 A</li> <li>● 9 V/3 A</li> <li>● 15 V/3 A</li> <li>● 20 V/3.25 A</li> </ul>	<ul style="list-style-type: none"> <li>● 5 V/3 A</li> <li>● 9 V/3 A</li> <li>● 15 V/3 A</li> <li>● 20 V/4.50 A</li> </ul>
Rated output voltage	<ul style="list-style-type: none"> <li>● 5 VDC</li> <li>● 9 VDC</li> <li>● 15 VDC</li> <li>● 20 VDC</li> </ul>	<ul style="list-style-type: none"> <li>● 5 VDC</li> <li>● 9 VDC</li> <li>● 15 VDC</li> <li>● 20 VDC</li> </ul>	<ul style="list-style-type: none"> <li>● 5 VDC</li> <li>● 9 VDC</li> <li>● 15 VDC</li> <li>● 20 VDC</li> </ul>
Temperature range:			

**Table 15. Power adapter specifications (continued)**

Description		Option one	Option two	Option three
	Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Storage	-20°C to 70°C (-4°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
 <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.				

## Battery

The following table lists the battery specifications of your Latitude 7430.

 **NOTE:** 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.

**Table 16. Battery specifications**

Description		Option one	Option two
	Battery type	3-cell, 41 Wh rechargeable Li-ion	4-cell, 58 Wh rechargeable Li-ion
	Battery voltage	11.25 VDC	15.20 VDC
	Battery weight (maximum)	0.19 kg (0.41 lb)	0.24 kg (0.54 lb)
Battery dimensions:			
	Height	5.70 mm (0.22 in.)	5.70 mm (0.22 in.)
	Width	89.40 mm (3.52 in.)	89.40 mm (3.52 in.)
	Depth	205.10 mm (8.07 in.)	242.00 mm (9.53 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>
	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)	<ul style="list-style-type: none"> <li>ExpressCharge Boost (0% up to 35% ): 20 minutes</li> <li>Express charge: 2 hours</li> <li>Standard charge: 3 hours</li> </ul>	<ul style="list-style-type: none"> <li>ExpressCharge Boost (0% up to 35% ): 20 minutes</li> <li>Express charge: 2 hours</li> <li>Standard charge: 3 hours</li> </ul>
	Coin-cell battery	Rechargeable RTC coin-cell battery	Rechargeable RTC coin-cell battery

**Table 16. Battery specifications (continued)**

Description	Option one	Option two
<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 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 Latitude 7430.

**Table 17. Display specifications**


Description	Clamshell					2-in-1
	Option one	Option two	Option three	Option four	Option five	Option one
Display type	14-inch, Full High Definition (FHD)	14-inch, Full High Definition (FHD), Super Low Power (SLP), ComfortView Plus	14-inch, Full High Definition (FHD)	14-inch, Full High Definition (FHD), Digital Privacy SafeScreen	14-inch, Ultra High Definition (UHD), Super Low Power (SLP), ComfortView Plus	14-inch, Full High Definition (FHD), Corning Gorilla Glass 6 DXC
Display-panel technology	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)
Display-panel dimensions (active area):						
Height	173.95 mm (6.85 in.)	173.95 mm (6.85 in.)	173.95 mm (6.85 in.)	173.95 mm (6.85 in.)	173.95 mm (6.85 in.)	173.95 mm (6.85 in.)
Width	309.40 mm (12.18 in.)	309.40 mm (12.18 in.)	309.40 mm (12.18 in.)	309.40 mm (12.18 in.)	309.40 mm (12.18 in.)	309.40 mm (12.18 in.)
Diagonal	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)
Display-panel native resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160	1920 x 1080
Luminance (typical)	250 nits	400 nits	300 nits	300 nits	400 nits	300 nits
Megapixels	2.07	2.07	2.07	2.07	8.29	2.07
Color gamut (typical)	45% NTSC	100% sRGB	72% NTSC	100% sRGB	100% sRGB	100% sRGB
Pixels Per Inch (PPI)	157	157	157	157	314.7	141
Contrast ratio (typical)	500:1	1000:1	1000:1	600:1	1000:1	1000:1
Response time (maximum)	35 ms	35 ms	35 ms	35 ms	40 ms	35 ms

**Table 17. Display specifications (continued)**

Description	Clamshell					2-in-1
	Option one	Option two	Option three	Option four	Option five	Option one
Refresh rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>
Vertical view angle	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>	<ul style="list-style-type: none"> <li>80/80 +/- degrees (min.)</li> <li>85/85 +/- degrees (typ.)</li> </ul>
Pixel pitch	0.161 mm x 0.161 mm	0.161 mm x 0.161 mm	0.161 mm x 0.161 mm	0.161 mm x 0.161 mm	0.0805 mm x 0.0805 mm	0.161 mm x 0.161 mm
Power consumption (maximum)	3.20 W	2.50 W	4.10 W	3.50 W	3.75 W	1.80 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-reflection/ Anti-smudge coating
Touch options	Non-touch	Non-touch	Touch	Touch SafeScreen (ePrivacy)	Non-touch	Touch
Stylus	NA	NA	NA	NA	NA	Optional Wacom pen support

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint reader of your Latitude 7430.

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

**Table 18. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88



# Sensor

The following table lists the sensor of your Latitude 7430.

**Table 19. Sensor**

Sensor support
Ambient Light Sensor
IR User Proximity Detection
Digital Compass (Magnetometer)
Accelerometer
Gyrometer
Adaptive Thermal Performance (Laptop vs. Desktop mode) requires Gyrometer/Accelerometer <i>i</i> <b>NOTE:</b> This is for thermal only.
Proximity for SAR compliance (for the WWAN module) Near Field Proximity Sensor
Hall Effect Sensor

# GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 7430.

**Table 20. GPU—Integrated**

Controller	Memory size	Processor
Intel Iris X <sup>e</sup> Graphics	Shared system memory	12 <sup>th</sup> Generation Intel Core i5/i7 processors

# Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 7430.

**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 Iris X <sup>e</sup> Graphics	Not applicable	4	3

# Hardware security

The following table lists the hardware security of your Latitude 7430.

**Table 22. Hardware security**

Hardware security
Trusted Platform Module (TPM) 2.0 discrete
FIPS 140-2 certification for TPM
Trusted Computing Group (TCG) Certification for TPM

**Table 22. Hardware security (continued)**

<b>Hardware security</b>
Contacted smart card and Control vault 3
Contactless smart card, NFC, and Control vault 3
SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL
Fingerprint reader in power button tied to Control vault 3
One wedge-shaped lock slot
SED (Opal 2.0 only - PCIe Interface)
Windows Hello - Fingerprint Reader (optional)
Mechanical privacy shutter for camera (only for aluminum titan gray laptops)

## Smart-card reader

### Contacted smart-card reader

The following table lists the contacted smart-card reader specifications of your Latitude 7430.

**Table 23. Contacted smart-card reader specifications**

Title	Description	Dell ControlVault 3 smart-card reader
ISO 7816 -3 Class A Card Support	Reader capable of reading 5V powered smart mcard	Yes
ISO 7816 -3 Class B Card Support	Reader capable of reading 3V powered smart card	Yes
ISO 7816 -3 Class C Card support	Reader capable of reading 1.8V powered smart card	Yes
ISO 7816-1 Compliant	Specification for the reader	Yes
ISO 7816 -2 Compliant	Specification for smart card device physical characteristics (size, location of connection points, etc.)	Yes
T=0 support	Cards support character level transmission	Yes
T=1 support	Cards support block level transmission	Yes
EMVCo Compliant	Compliant with EMVCo (for electronic payment standards) smart card standards as posted to <a href="http://www.emvco.com">www.emvco.com</a>	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
PC/SC OS interface	Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers.	Yes
Windows Certified	Device certified by WHCK	Yes

**Table 23. Contacted smart-card reader specifications (continued)**


Title	Description	Dell ControlVault 3 smart-card reader
FIPS 201 (PIV/HSPD-12) Compliant via GSA	Device compliant with FIPS 201/PIV/HSPD-12 requirements	Yes
FIDO2 compliance	Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC	Yes

## Operating and storage environment

This table lists the operating and storage specifications of your Latitude 7430.

**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 (-49.899 ft to 10000 ft)	-15.2 m to 10668 m (-49.899 ft to 35000 ft)
 <b>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.</b>		

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

## 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 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.

## Keyboard shortcuts of Latitude 7430

**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 25. List of keyboard shortcuts**

Function key	Primary behavior
F1	Mute audio
F2	Decrease volume
F3	Increase volume
F4	Mute mic
F5	Click keyboard backlight (optional). <b>NOTE:</b> Non-backlight keyboards have F5 function key without the backlight icon and do not support toggle keyboard backlight function. <b>NOTE:</b> 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 26. Secondary behavior**

Function key	Secondary behavior
Fn + F1	Operating system and application specific F1 behavior
Fn + F2	Operating system and application specific F2 behavior
Fn + F3	Operating system and application specific F3 behavior
Fn + F4	Operating system and application specific F4 behavior

**Table 26. Secondary behavior (continued)**



<b>Function key</b>	<b>Secondary behavior</b>
Fn + F5	Operating system and application specific F5 behavior
Fn + F6	Operating system and application specific F6 behavior
Fn + F7	Operating system and application specific F7 behavior
Fn + F8	Operating system and application specific F8 behavior
Fn + F10	Operating system and application specific F10 behavior
Fn + F11	Operating system and application specific F11 behavior
Fn + F12	Operating system and application specific F12 behavior
Fn + PrtScr	Turn off/on wireless
Fn + B	Pause/Break
Fn + Insert	Sleep
Fn + S	Toggle scroll lock
Fn + H	Toggle between power and battery-status light/hard-drive activity light
Fn + R	System request
Fn + Ctrl	Open application menu
Fn + Esc	Toggle Fn-key lock
Fn + PgUp	Page up
Fn + PgDn	Page down
Fn + Home	Home
Fn + End	End

# 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	<a href="http://www.dell.com">www.dell.com</a>
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a> <a href="http://www.dell.com/support/linux">www.dell.com/support/linux</a>
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 <a href="http://www.dell.com/support">www.dell.com/support</a> .  For more information on how to find the Service Tag for your computer, see <a href="#">Locate the Service Tag on your computer</a> .
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> <li>1. Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</li> <li>2. On the menu bar at the top of the Support page, select <b>Support &gt; Knowledge Base</b>.</li> <li>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.</li> </ol>

## Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see [www.dell.com/contactdell](http://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.