

Specifications of Latitude 9420

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 9420.

Table 3. Dimensions and weight

Description	Values
Height:	
Front height	8.42 mm (0.33 in.)
Rear height	13.91 mm (0.54 in.)
Width	310.59 mm (12.22 in.)
Depth	215.18 mm (8.47 in.)
Weight	<ul style="list-style-type: none"> Laptop: 1.27 kg (2.8 lb) 2-in-1: 1.4 kg (3.2 lb) <p>NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.</p>

Processor

The following table lists the details of the processors supported by your Latitude 9420.

NOTE: Processor numbers are not a measure of performance. Processor availability subject to change and may vary by region/country.

Table 4. Processor

Processor	Wattage	Core count	Thread count	Speed	Cache	Integrated graphics
11 th Generation Intel Core i5-1135G7	28 W	4	8	2.40 GHz to 4.20 GHz	8 MB	Intel Iris X ^e Graphics
11 th Generation Intel Core i5-1145G7	28 W	4	8	2.60 GHz to 4.40 GHz	8 MB	Intel Iris X ^e Graphics
11 th Generation Intel Core i7-1185G7	28 W	4	8	3.00 GHz to 4.80 GHz	12 MB	Intel Iris X ^e Graphics

Chipset

The following table lists the details of the chipset supported by your Latitude 9420

Table 5. Chipset

Description	Values
Chipset	Integrated with the processor
Processor	11th Generation Intel Core i5/i7 processors
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen4

Operating system


Your Latitude 9420 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 Pro Education, 64-bit
- Windows 10 Enterprise, 64-bit
- Ubuntu 20.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Latitude 9420.

Table 6. Memory specifications

Description	Values
Memory slots	Integrated  NOTE: This is not upgradeable.
Memory type	LPDDR4x
Memory speed	4266 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory size per channel	8 GB, 16 GB, 32 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB, LPDDR4x, SDRAM, 4266 MT/s, dual-channel, integrated• 16 GB, LPDDR4x, SDRAM, 4266 MT/s, dual-channel, integrated• 32 GB, LPDDR4x, SDRAM, 4266 MT/s, dual-channel, integrated

External ports

The following table lists the external ports on your Latitude 9420.


Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none">One USB 3.2 Gen 1 port with PowerShareTwo Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
Audio port	One universal audio port
Video port/ports	One HDMI 2.0 port
Media-card reader	One microSD-card slot
Power-adaptor port	Type-C power input
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Latitude 9420.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none">On-board Wi-Fi and BluetoothOne M.2 3042 slot for WWANOne M.2 2230 slot for solid-state drive (SSD) <p> 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.</p>

Wireless module

The following table lists the onboard Wireless Local Area Network (WLAN) module supported on your Latitude 9420.

Table 9. Wireless module


Description	Values
Model number	Intel AX210
Transfer rate	Up to 2.40 Gbps
Frequency bands supported	2.4 GHz/5.0 GHz/6.0 GHz
Wireless standards	Wi-Fi 6E (WiFi 802.11ax)  NOTE: The WLAN configuration above is available only in specific regions. Hence, the performance in certain regions may vary.
Encryption	<ul style="list-style-type: none">64-bit/128-bit WEP

Table 9. Wireless module (continued)


Description	Values
	<ul style="list-style-type: none"> • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.2

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 9420.

Table 10. WWAN module specifications

Description	Option one	Option two
Model number	Qualcomm Snapdragon X20 Global Gigabite LTE	Qualcomm Snapdragon X55 Global Gigabite NR/LTE
Transfer rate	Up to 1 Gbps DL/150 Mbps UL (CAT 16)	Up to 3Gbps DL/250 Mbps UL (3GPP Release15 NR/LTE CAT 20)
Frequency bands supported	(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), HSPA+ (1, 2, 4, 5,6, 8, 9, 19)	NR (1,2,3,5,7,8,12,20,28,38,41,66,71,77,78,79) LTE (1,2,3,4,5,7,8,12,13,14,17,18,19,20,25,26,28,29,30,32,34,38,39,40,41,42,46,48, 66) HSPA+ (1,2,4,5,6,8,9,19)

 **NOTE:** For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, see the knowledge base article [000143678](https://www.dell.com/support/000143678) at www.dell.com/support.

Audio

The following table lists the audio specifications of your Latitude 9420.

Table 11. Audio specifications

Description	Values
Audio controller	Realtek ALC711-CG
Stereo conversion	Supported, 24-bit DAC (Digital-to-Analog) and ADC (Analog-to-Digital)
Internal audio interface	SoundWire interface
External audio interface	Universal audio jack
Number of speakers	Four
Internal-speaker amplifier	Realtek ALC1319D
External volume controls	Keyboard shortcut controls
Speaker output:	
Average speaker output	8 W

Table 11. Audio specifications (continued)

Description		Values
	Peak speaker output	10 W
Subwoofer output		Supported
Microphone		Quad-array microphone

Storage

This section lists the storage options on your Latitude 9420.

Your computer supports one M.2 2230 solid-state drive:

- One M.2 2230 solid-state drive


Table 12. Storage specifications

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	Gen 3 PCIe x4 NVMe	Up to 1 TB
M.2 2230, Class 35 solid-state drive, Self-encrypting drive	Gen 3 PCIe x4 NVMe	Up to 256 GB

Media-card reader

The following table lists the media cards supported by your Latitude 9420.

Table 13. Media-card reader specifications

Description	Values
Media-card type	One microSD-card slot
Media-cards supported	<ul style="list-style-type: none"> • micro-Secure Digital (mSD) • micro-Secure Digital High Capacity (mSDHC) • micro-Secure Digital Extended Capacity (mSDXC)
 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 9420.

Table 14. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> • United States and Canada: 79 keys • United Kingdom: 80 keys • Japan: 83 keys

Table 14. Keyboard specifications (continued)

Description	Values
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
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>NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program. For more information, see Keyboard shortcuts.</p>

Camera

The following table lists the camera specifications of your Latitude 9420.

Table 15. Camera specifications

Description	Values
Number of cameras	One
Camera type	HD RGB Infrared camera
Camera location	Front camera
Camera sensor type	CMOS-sensor technology
Camera resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Infrared camera resolution:	
Still image	0.23 megapixel
Video	640 x 360 at 15 fps
Diagonal viewing angle:	
Camera	78 degrees
Infrared camera	78 degrees

Touchpad

The following table lists the touchpad specifications of your Latitude 9420.

Table 16. Touchpad specifications

Description	Values
Touchpad resolution:	>=300dpi


Table 16. Touchpad specifications (continued)

Description		Values
Touchpad dimensions:		
	Horizontal	116 mm (4.56 in.)
	Vertical	72 mm (2.83 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article 4027871 at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your Latitude 9420.

Table 17. Power adapter specifications

Description	Option one	Option two	Option three
Type	60 W AC adapter, USB-C	65 W AC adapter, USB-C	90 W AC adapter, USB-C
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"> 20 V/3.25 A (Continuous) 15 V/3 A (Continuous) 9.0 V/3 A (Continuous) 5.0 V/3 A (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) 	<ul style="list-style-type: none"> 20 V/4.5 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	20 VDC/15 VDC/9 VDC/5 VDC	20 VDC/15 VDC/9 VDC/5 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 158 °F)	-40 °C to 70 °C (-40 °F 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 9420.

Table 18. Battery specifications

Description	Option one	Option two
Battery type	2-cell, 39.7 WHr, ExpressChargeBoost	3-cell, 59.6 WHr, ExpressChargeBoost
Battery voltage	7.70 VDC	11.40 VDC

Table 18. Battery specifications (continued)

Description		Option one	Option two
Battery weight (maximum)		0.19 kg (0.41 lb)	0.26 kg (0.57 lb)
Battery dimensions:			
	Height	250.70 mm (9.87 in.)	250.70 mm (9.87 in.)
	Width	89.18 mm (3.50 in.)	89.18 mm (3.50 in.)
	Depth	6.17 mm (0.24 in.)	6.17 mm (0.24 in.)
Temperature range:			
	Operating	<ul style="list-style-type: none"> Charge: 0 °C to 50 °C (32 °F to 122 °F) Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> Charge: 0 °C to 50 °C (32 °F to 122 °F) Discharge: 0°C to 70°C (32°F to 158°F)
	Storage	-20 °C to 60 °C (-4 °F to 140 °F)	-20 °C to 60 °C (-4 °F to 140 °F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) ⓘ NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com .		4 hours (when the computer is off)	4 hours (when the computer is off)
 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.			

Display

The following table lists the display specifications of your Latitude 9420.

Table 19. Display specifications

Description		Option one	Option two
Display type		14-inch, Full High Definition (FHD+)	14-inch, Quad High Definition (QHD+)
Display-panel technology		Low blue light (LBL)	Low blue light (LBL)
Display-panel dimensions (active area):			
	Height	188.49 mm (7.42 in.)	188.49 mm (7.42 in.)
	Width	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)
	Diagonal	355.64 mm (14.00 in.)	355.64 mm (14.00 in.)
Display-panel native resolution		1920 x 1200	2560 x 1600
Luminance (typical)		500 nits	500 nits

Table 19. Display specifications (continued)

Description	Option one	Option two
Megapixels	2.30	4.09
Color gamut	sRGB 100%	sRGB 100%
Pixels Per Inch (PPI)	161	216
Contrast ratio (typ)	16:10	16:10
Response time (max)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	88 degree	88 degree
Vertical view angle	88 degree	88 degree
Pixel pitch	0.1572 mm	0.1178 mm
Power consumption (maximum)	2.85 W	3.70 W
Anti-glare vs glossy finish	Anti-glare	Anti-reflection, Anti-smudge
Touch options	No	Yes

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 9420.

Table 20. 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

Sensor

The following table lists the sensor of your Latitude 9420.

Table 21. Sensor

Sensor support
Gyroscope
eCompass/Magnetometer
Accelerometer
GPS (via WWAN Card only)
Ambient Light Sensor
Adaptive Thermal Performance (via Gyroscope/Accelerometer)

Table 21. Sensor (continued)

Sensor support
Dell ExpressSign-In 1.0 (via Proximity Sensor)
Dell ExpressSign-in 2.0 (via Intel Camera Sensing Technology)
Wake/Power on with lid open

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 9420.

Table 22. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel Iris X ^e Graphics	HDMI 2.0, DisplayPort over USB Type-C	Shared system memory	11 th Generation Intel Core i5/i7 Processors

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 9420.

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

Table 23. Computer environment

Description	Operating	Storage
Temperature range	0°C to 40°C (32°F to 104°F)	-40°C to 60°C (-40°F to 140°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	140 G†	160 G†
Altitude range	-15.2 m to 3048 m (-50 ft to 10000 ft)	-15.2 m to 10668 m (-50 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.