

Latitude 9440 2-in-1

Technical Guidebook

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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Views of Latitude 9440 2-in-1

Right



1. Universal audio port
2. One Thunderbolt 4 with Power Delivery & DisplayPort (USB Type-C)
3. One wedge-shaped lock slot

Left



1. One Thunderbolt 4 with Power Delivery & DisplayPort (USB Type-C)/power adapter port
2. One Thunderbolt 4 with Power Delivery & DisplayPort (USB Type-C)
3. Diagnostic LED/Power and battery-status light
4. One nano SIM slot (optional)

Top



1. Microphones
2. Power button with optional fingerprint reader
3. Zero-Lattice Keyboard with Battery-saving backlit
4. Right speaker
5. Haptic Collaboration Touchpad
6. Collaboration icons on Touchpad

NOTE: Collaboration icons are only visible when a Zoom call is ongoing. Compatible video conferencing platforms are subject to change.

- Mute mic control (Zoom app support only)
- Chat box control (Zoom app support only)
- Screen share control (Zoom app support only)
- Web cam control (Zoom app support only)

7. Left speaker

Display



1. Proximity Sensors
2. Ambient Light Sensor
3. IR LED
4. Camera-status light
5. IR Camera
6. RGB Camera
7. IR LED
8. QHD+ 500 nits Touch Display

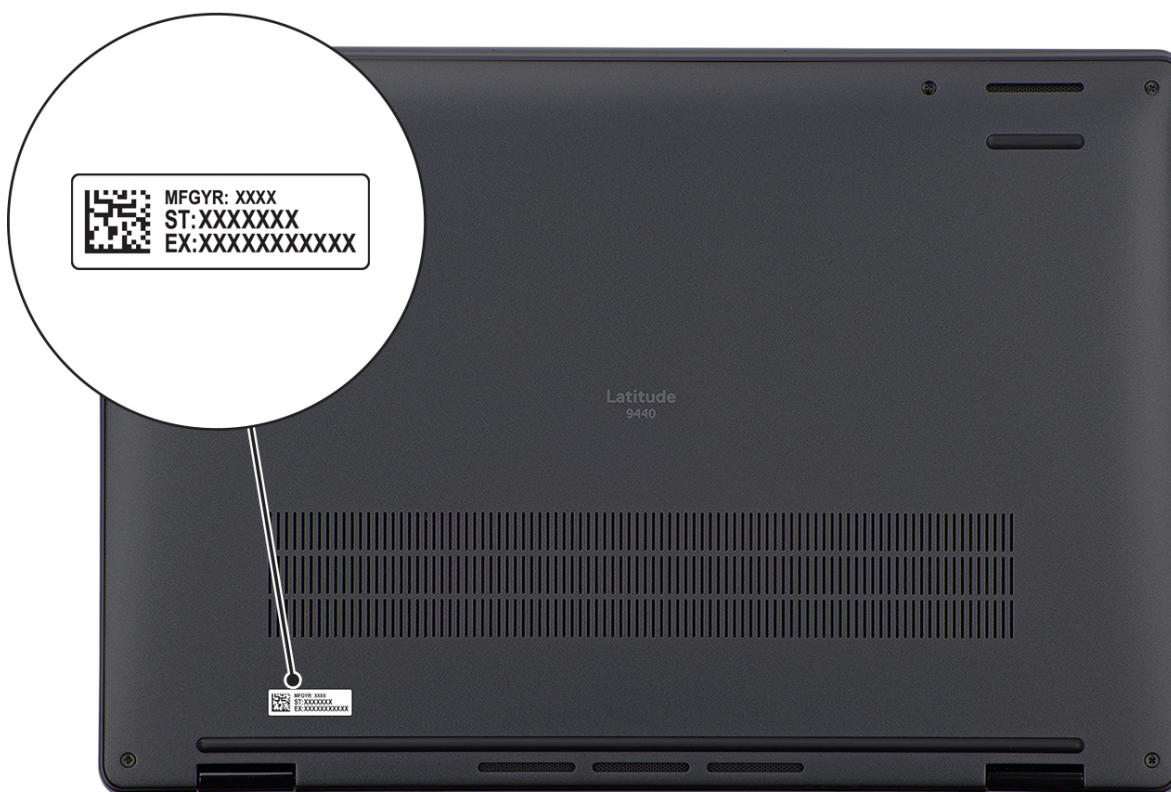
Bottom



1. Two-bottom firing speakers
2. Air vents
3. Service tag label

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 9440 2-in-1.

Table 1. Battery charge and status light behavior

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Off	S0 - S5	Fully Charged
AC Adapter	Solid White	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	11-100%
Battery	Solid Red (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 9440 2-in-1

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 9440 2-in-1.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	14.92 mm (0.59 in.)
Rear height	16.28 mm (0.64 in.)
Width	310.5 mm (12.2 in.)
Depth	215 mm (8.46 in.)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.53 kg (3.38 lb)

Processor

The following table lists the details of the processors supported by your Latitude 9440 2-in-1.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	13 th Generation Intel Core i5-1335U	13 th Generation Intel Core i5-1345U vPro	13 th Generation Intel Core i7-1365U vPro
Processor wattage	15 W	15 W	15 W
Processor core count	10	10	10
Processor thread count	12	12	12
Processor speed	1.30 GHz to 4.60 GHz	1.60 GHz to 4.70 GHz	1.80 GHz to 5.20 GHz
Processor cache	12 MB	12 MB	12 MB
Integrated 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 9440 2-in-1.

Table 4. Chipset

Description	Values
Chipset	Integrated with the processor
Processor	13 th Generation Intel Core i5/i7 processors
DRAM bus width	64-bit
Flash EPROM	64 MB
PCIe bus	Up to Gen4

Operating system

Your Latitude 9440 2-in-1 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Downgrade (Windows 10 Pro, 64-bit)

Memory

The following table lists the memory specifications of your Latitude 9440 2-in-1.

Table 5. Memory specifications

Description	Values
Memory slots	Integrated  NOTE: This is not upgradeable.
Memory type	LPDDR5, LPDDR5x
Memory speed	Up to 6400 MHz
Maximum memory configuration	64 GB
Minimum memory configuration	16 GB
Memory size per slot	16 GB, 32 GB, 64 GB
Memory configurations supported	• 16 GB, LPDDR5, SDRAM, 6000 MHz, dual-channel, integrated • 32 GB, LPDDR5, SDRAM, 6000 MHz, dual-channel, integrated • 16 GB, LPDDR5x, SDRAM, 6400 MHz, dual-channel, integrated • 32 GB, LPDDR5x, SDRAM, 6000 MHz, dual-channel, integrated • 64 GB, LPDDR5x, SDRAM, 6000 MHz, dual-channel, integrated

External ports

The following table lists the external ports on your Latitude 9440 2-in-1.

Table 6. External ports

Description	Values
USB ports	Three Thunderbolt 4 with Power Delivery & DisplayPort (USB Type-C)
Audio port	One universal audio port
Video port/ports	Supported through USB-C
Media-card reader	N/A
Power-adapter port	60 W AC adapter, USB-C Ultralight Mini Power Adapter 65 W AC adapter, USB-C 100 W AC adapter, USB-C
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Latitude 9440 2-in-1.

Table 7. Internal slots

Description	Values
M.2	- On-board Wi-Fi and Bluetooth - One M.2 3042 slot for WWAN - One M.2 2230 slot for solid-state drive (SSD)  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 that is supported on your Latitude 9440 2-in-1.

Table 8. Wireless module specifications

Description	Values
Model number	Intel AX211  NOTE: WLAN is integrated on the system board and is not removable and/or ungradable.
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5.0 GHz/6.0 GHz
Wireless standards	- WiFi 802.11a/b/g - Wi-Fi 4 (WiFi 802.11n) - Wi-Fi 5 (WiFi 802.11ac)

Table 8. Wireless module specifications (continued)

Description	Values
	Wi-Fi 6E (WiFi 802.11ax, Wi-Fi 6 where 6E unavailable)
Encryption	64-bit/128-bit WEP - AES-CCMP - TKIP
Bluetooth wireless card	Bluetooth wireless card
	i NOTE: The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 9440 2-in-1.

Table 9. WWAN module specifications

Description	Values
Model number	Intel 5G 5000 Global Gigabit NR/LTE (DW5931e)
Transfer rate	- SA: DL 4.67 Gbps/ UL 1.25 Gbps 9,40,41,42,43,46,66) - NSA: DL 3.74 Gbps/ UL 835 Mbps - LTE : DL 1.6 Gbps (CAT19)/ UL 211 Mbps - UMTS: DL 384 kbps/ UL 384 kbps; DL DC-HSPA+:42 Mbps (CAT24)/ UL 11.5 Mbps (CAT7)
Operating Frequency bands	NR(n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79) LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71*) WCDMA/HSPA+ (1, 2, 4, 5, 8) *Modem hardware support but currently disabled
Network standard	NR FR1(Sub6) FDD/TDD, LTE FDD/TDD, WCDMA/HSPA+, GPS/GLONASS/Galileo/BDS/QZSS
i 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 .	
i NOTE: The availability of eSIM functionality embedded on the module is dependent on the region and carrier requirements.	
i NOTE: Use of SIM card is supported through external SIM slot	

Audio

The following table lists the audio specifications of your Latitude 9440 2-in-1.

Table 10. Audio specifications

Description		Values
Audio controller		Realtek ACL711-VD
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 ALC1318
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	8 W
	Peak speaker output	10 W
Subwoofer output		Supported
Microphone		Dual-array microphone

Storage

This section lists the storage options on your Latitude 9440 2-in-1.

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

- One M.2 2230 solid-state drive

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	Gen 4 PCIe x4 NVMe	Up to 1 TB
M.2 2230, Class 35 solid-state drive, Self-encrypting drive	Gen 4 PCIe x4 NVMe	256 GB
M.2 2230, Class 25 solid-state drive	Gen 4 PCIe x4 NVMe	2 TB

Keyboard

The following table lists the keyboard specifications of your Latitude 9440 2-in-1.

Table 12. Keyboard specifications

Description	Values
Keyboard type	Single-pointing spill-resistant, zero-lattice keyboard with battery-saving backlit
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=18.05 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 9440 2-in-1.

Table 13. Camera specifications

Description	Values
Number of cameras	One
Camera type	FHD IR Camera with built-in collaboration features - Low light capability, TNR, Intelligent Privacy, IPU6, Proximity Sensor, Intel Camera Sensing Technology (ExpressSign-in 2.0), dual-array microphones
Camera location	Front camera
Camera sensor type	Intel Camera Sensing Technology (ExpressSign-in 2.0)
Camera resolution:	
Still image	0.92 megapixel
Video	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:	
Still image	0.23 megapixel
Video	640 x 360 at 15 fps

Table 13. Camera specifications (continued)

Description		Values
Diagonal viewing angle:		
	Camera	78 degrees
	Infrared camera	78 degrees

Clickpad

The following table lists the Clickpad specifications of your Latitude 9440 2-in-1.

Table 14. Clickpad specifications

Description		Values
Clickpad type		Haptic Collaboration Touchpad
Haptic functionality		Control level of loudness and haptic feedback from the Win 11 OS settings, "Bluetooth and Devices" section. Select from 0%-100% haptic feedback.
Collaboration icons on Clickpad		4 icons available to control video, screenshare, chat, and mute functions during conference calls. Icons only visible on clickpad when on conference calls. Currently compatible with Zoom.**
Collaboration icons settings*		- Brightness can be controlled manually or according to the brightness of the surroundings. - Can be customized to activate with a single tap or a double tap. - Can be customized to be activated or deactivated individually.
Collaboration icon functionality		- Video :- White - Turned on; Red - Turned off - Microphone:- White - Unmuted; Red - Muted - Chat :- Blinking - A new message has arrived in the conference call; White - Available - Screenshare :- White - Available
Clickpad resolution:		300 dpi
Clickpad dimensions:		
	Horizontal	130.3 mm (5.12 in.)
	Vertical	72.3 mm (2.84 in.)
Clickpad gestures		For more information about clickpad gestures available on Windows, see the Microsoft knowledge base article at support.microsoft.com .

*Requires DO 4.0 or higher and Zoom version 5.9.3 or higher to function.

**Compatibility of conference platforms subject to change.

Power adapter

The following table lists the power adapter specifications of your Latitude 9440 2-in-1.

Table 15. Power adapter specifications

Description	Option one	Option two	Option three
Type	60 W AC adapter, USB-C Ultralight Mini Power Adapter	65 W AC adapter, USB-C	100 W AC adapter, USB-C
Dimensions	22 mm x 55 mm x 66 mm (0.86 in. x 2.16 in. x 2.59 in.)	28 mm x 51 mm x 112 mm (1.10 in. x 2.00 in. x 4.40 in.)	26.5 mm x 60 mm x 122 mm (1.04 in. x 2.36 in. x 4.80 in.)
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	1.7 A
Output current (continuous)	20 V/3 A (Continuous) 15 V/3 A (Continuous) 9.0 V/3 A (Continuous) 5.0 V/3 A (Continuous)	20 V/3.25 A (Continuous) 15 V/3 A (Continuous) 9.0 V/3 A (Continuous) 5.0 V/3 A (Continuous)	20 V/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/12.0 - 20.0 V
Operating temperature range	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 temperature range	-20 °C to 70 °C (-4 °F 158 °F)	-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 9440 2-in-1.

Table 16. Battery specifications

Description	Values
Battery type	3-cell, 60 WHr, ExpressCharge Boost capable, Long-lifecycle capable
Battery voltage	11.55 VDC
Battery weight (maximum)	0.235 kg (0.52 lb)
Battery dimensions:	
Height	250.70 mm (9.87 in.)
Width	81.18 mm (3.19 in.)
Depth	5.35 mm (0.21 in.)

Table 16. Battery specifications (continued)

Description		Values
Temperature range:		
	Operating	- 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)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) i NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information about Dell Power Manager, search in the Knowledge Base Resource at www.dell.com/support .		3 hours (when the computer is off)
Coin-cell battery		Not supported
⚠ 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 9440 2-in-1.

Table 17. Display specifications

Description		Values
Display type		14-inch, QHD+, touch, corning gorilla glass victus DXC, 500 nits, IPS, battery-saving, Active pen support
Touch options		Yes
Display-panel technology		Comfort view plus low blue Light
Display-panel dimensions (active area):		
	Height	188.49 mm (7.42 in.)
	Width	301.59 mm (11.87 in.)
	Diagonal	355.64 mm (14.00 in.)
Display-panel native resolution		2560 x 1600
Panel type		True 8 bits
Luminance (typical)		500 nits
Megapixels		4.09
Color gamut		sRGB 100%

Table 17. Display specifications (continued)

Description	Values
Color	16.7M
Pixels Per Inch (PPI)	216
Contrast ratio (min)	1000
Response time (max)	35 ms
Refresh rate	60 Hz
Horizontal view angle	88 degree
Vertical view angle	88 degree
Pixel pitch	0.1178 mm
Power consumption (maximum)	3.70 W
Anti-glare vs glossy finish	anti-reflection, anti-smudge

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 9440 2-in-1.

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 mm x 88 mm

Sensor

The following table lists the sensor of your Latitude 9440 2-in-1.

Table 19. Sensor

Sensor support
Low Power Vision AI Based User Presence Detection
Ambient Light Sensor
Windows Auto Brightness
IR User Proximity Detection
eCompass/Magnetometer
Accelerometer
Gyro + Accelerometer
Adaptive Thermal Performance (via Gyroscope/Accelerometer)
Screen Rotation support
Near Field Proximity Sensor

Table 19. Sensor (continued)

Sensor support
Hall Effect Sensor
Sensor Hub
Wake/Power on with lid open
Dell ExpressSign-In 1.0 (via Proximity Sensor)
Dell ExpressSign-in 2.0 (via Intel Camera Sensing Technology)
GPS (via WWAN Card only)
Gyroscope
Accelerometer: ST Micro LIS2DW12TR(1st) or Bosch BMA422(2nd) in the base (system board) for 2-in-1
Accelerometer + Gyro: ST Micro LSM6DSOUSTR in the hinge-up sensor board for 2-in-1

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 9440 2-in-1.

Table 20. GPU—Integrated

Controller	Memory size	Processor
Intel Iris X ^e Graphics	Shared system memory	13 th Generation Intel Core i5/i7 Processors

Multiple display support matrix

The following table lists the multiple display support matrix of your Latitude 9440 2-in-1.

Table 21. Multiple display support matrix

Graphics Card	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Integrated GPU	Up to 3	Up to 4

Hardware security

The following table lists the hardware security of your Latitude 9440 2-in-1.

Table 22. Hardware security

Hardware security
Trusted Platform Module (TPM) 2.0 FIPS-140-2 Certified/TCG Certified
Touch Fingerprint Reader (in Power Button) with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification (Optional)
Face IR camera (Windows Hello compliant) with ExpressSign-in 1.0 (Proximity Sensor) and ExpressSign-in 2.0 (Camera Sensing)
Dell SafeBIOS - Verifies that BIOS is good using a secure off-host source, and if the test fails, captures and stores a copy in a secure area on the PC

Table 22. Hardware security (continued)

Hardware security
Dell SafeBIOS - Indicators of Attack - Alerts when malicious activity is detected
Dell SafeID - Dedicated FIPS Level 3 security chip secures end user credentials ¹ - TCG Certified
Dell SafeSupply Chain - Optional tamper evident packing and pre-imaging HDD wipes to NIST standards from a secure Dell facility.
Dell SafeShutter™ - Automatically closes the camera shutter when not in use, so user privacy is ensured

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 9440 2-in-1.

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.

Engineering specifications

Wireless module

Intel AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth wireless card

The following table lists the Intel AX211 specifications.

 **NOTE:** Wi-Fi 6 is supported in regions where Wi-Fi 6E is unavailable.

Table 24. Intel AX211 specifications

Host interface	CNVio
Network standard	IEEE 802.11a/b/g/n/ac/ax, 160 MHz channel use, MU-MIMO, new 6 GHz band
Wi-Fi Alliance certifications	Wi-Fi CERTIFIED 6, Wi-Fi CERTIFIED a/b/g/n/ac, WMM, WMM-Power Save, WPA2, WPA3, WPS, PMF, Wi-Fi Direct, Wi-Fi Agile Multiband  NOTE: Other names and brands may be claimed as the property of others.
Operating frequency bands	• 2.4 GHz • 5 GHz • 6 GHz
Data rate	• 2.4 GHz 40M: Up to 574 Mbps • 5/6 GHz 80M: Up to 1.2 Gbps • 5/6 GHz 160M: Up to 2.4 Gbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Security methods	• WPA2 Personal and Enterprise • WPA3
Authentication protocols	• 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA)
Encryption	• 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP
Product safety	• UL • C-UL • CB (IEC60950-1)
Management capabilities alerting	Support for Intel AMT
Government compliance	• FIPS 140-2

Table 24. Intel AX211 specifications (continued)

	FISMA
Client utility	Intel PRO/Set wireless software v22 and later
Antenna diversity	Supported
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	Supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	- Dual Mode Bluetooth - BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Bluetooth output power	Power class 1
Operating temperature	0°C to + 50°C (Full performance at shield temperatures up to 80°C)
Storage temperature	-40°C to +70°C
Humidity	Up to 90% RH non-condensing (at temperatures of 25°C to 35°C)

WWAN module

Intel 5G 5000 Global Gigabit NR/LTE (DW5931e)

The following table lists the Intel 5G 5000 Global Gigabit NR/LTE specifications.

Table 25. Intel 5G 5000 Global Gigabit NR/LTE

Form factor	M.2 3052 Key-B
Host interface	PCIe Gen3
Network standard	NR FR1(Sub6) FDD/TDD, LTE FDD/TDD, WCDMA/HSPA+, GPS/GLONASS/Galileo/BDS/QZSS
Transfer rate	- SA: DL 4.67 Gbps/ UL 1.25 Gbps 9,40,41,42,43,46,66) - NSA: DL 3.74 Gbps/ UL 835 Mbps - LTE : DL 1.6 Gbps (CAT19)/ UL 211 Mbps - UMTS: DL 384 kbps/ UL 384 kbps; DL DC-HSPA+:42 Mbps (CAT24)/ UL 11.5 Mbps (CAT7)
Operating frequency bands	NR(n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79) LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71*) WCDMA/HSPA+ (1, 2, 4, 5, 8) *Modem hardware support but currently disabled

Table 25. Intel 5G 5000 Global Gigabit NR/LTE (continued)

Power supply	DC 3.135 V to 4.4 V, typical 3.3 V
SIM card	Supported
eSIM with Duak SIM (DSSA)	Supported i NOTE: The availability of eSIM functionality embedded on the module is dependent on the region and carrier requirements.
Antenna diversity	Supported
Radio On/Off	Supported
Wake on wireless	Supported
Normal operating temperature	-10°C to +55°C
Extended operating temperature	-30°C to +75°C
Antenna connector	• WWAN Main Antenna X 1 • WWAN Diversity Antenna X 1 • 4 x 4 MIMO Antenna x 2

GPU—Integrated

Intel Iris X^e Graphics

The following table lists the Intel Iris X^e Graphics specifications.

Table 26. Intel Iris X^e Graphics specifications

Bus type	Integrated graphics i NOTE: Intel Iris X ^e Graphics uses the computers memory as video memory.
Memory type	LPDDR5 / LPDDR5x
Memory interface	N/A (Unified Memory Architecture)
Estimated maximum power consumption (TDP)	12 W-28 W, included in the CPU power
Maximum color depth	10 bits
Maximum vertical refresh rate	Up to 120 Hz i NOTE: The refresh rate depends on the resolution.
External ports	DisplayPort over USB Type-C
Multiple display support	Up to 4 displays including laptop display

Storage

M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 27. 256 GB SSD specifications

Capacity	256 GB
Height (approximate)	3.5 mm (0.17 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTTF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 512 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 512 GB SSD specifications.

Table 28. 512 GB SSD specifications

Capacity	512 GB
Height (approximate)	3.5 mm (0.17 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTTF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W

Table 28. 512 GB SSD specifications (continued)

Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 1 TB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 1 TB SSD specifications.

Table 29. 1 TB SSD specifications

Capacity	1 TB
Height (approximate)	3.5 mm (0.17 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Opal Self-Encrypting, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 30. 256 GB SSD, self-encrypting drive specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)

Table 30. 256 GB SSD, self-encrypting drive specifications (continued)

Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 2 TB, PCIe NVMe Gen4 x4, Class 25 SSD

The following table lists the M.2 2230, 2 TB SSD specifications.

Table 31. 2 TB SSD specifications

Capacity	2 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	4,000,797,360
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

Power adapter

The following table lists the power adapter specifications of your Latitude 9440 2-in-1.

Table 32. Power adapter specifications

Description	Values		
Type	60 W AC adapter, USB-C Ultralight Mini Power Adapter	65 W AC adapter, USB-C	100 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)	20 V/3.25 A (Continuous) 15 V/3 A (Continuous) 9 V/3 A (Continuous) 5 V/3 A (Continuous)	20 V/3.25 A (Continuous) 15 V/3 A (Continuous) 9 V/3 A (Continuous) 5 V/3 A (Continuous)	20 V/4.5 A (Continuous) 15 V/3 A (Continuous) 9 V/3 A (Continuous) 5 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)	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)	-40 °C to 70 °C (-40 °F 158 °F)
Compliance			
Erp Lot6 Tier 2 requirement	Yes	Yes	Yes
80Plus compliant	Yes	Yes	Yes
Energy Star 8.0 compliant	Yes	Yes	Yes
GS mark compliant	Yes	Yes	Yes
NCTC Anti Power Surge certification	Yes	Yes	Yes
NCTC Anti Lightning Strike certification	Yes	Yes	Yes

Accessories

The following table lists the supported accessories on your Latitude 9440 2-in-1.

Table 33. Accessories

Accessories
Dell UltraSharp Webcam - WB7022 (Available for purchase separately)
Dell Mobile Adapter Speakerphone - MH3021P (Available for purchase separately)
Dell Premier Wireless ANC Headset - WL7022 (Available for purchase separately)
Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W (Available for purchase separately)
Dell Premier Rechargeable Active Pen - PN7522W (Available for purchase separately)
Dell Premier Rechargeable Wireless Mouse - MS7421W (Available for purchase separately)
Dell Travel Mouse MS700 - MS700 (Available for purchase separately)
Dell Thunderbolt 4 Dock - WD22TB4 (Available for purchase separately)
Dell Dual Charge Dock - HD22Q (Available for purchase separately)
Dell USB-C Dock - WD19S (Available for purchase separately)
Dell 7-in-1 USB-C Multiport Adapter - DA310 (Available for purchase separately)

Security

Software security

The following table lists the software security details of your Latitude 9440 2-in-1.

Table 34. Software security

Security options
Dell Security Features
Dell SafeBIOS - Verifies that BIOS is good using a secure off-host source, and if the test fails, captures and stores a copy in a secure area on the PC
Dell SafeBIOS - Indicators of Attack - Alerts when malicious activity is detected
Dell SafeID - Dedicated FIPS Level 3 security chip secures end user credentials ¹ - TCG Certified
Dell SafeSupply Chain - Optional tamper evident packing and pre-imaging HDD wipes to NIST standards from a secure Dell facility.
Dell SafeShutter™ - Automatically closes the camera shutter when not in use, so user privacy is ensured
Dell Intelligent Privacy powered by Dell Optimizer 4.0 - Texturizes the screen when a shoulder surfer tries to peek, dims the screen when user is disengaged.
Intel ME Firmware Authentication (with Intel vPro) - Verifies that critical firmware is good using a secure off-host source
Face IR camera (Windows Hello compliant) with ExpressSign-in 1.0 (Proximity Sensor), ExpressSign-in 2.0 (Camera Sensing)
Optional Windows Hello compliant fingerprint reader in power button
Optional Touch Fingerprint Reader (in Power Button) with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 2 Certification
Factory Installed Dell Command Update
Dell Performance

Table 34. Software security (continued)

Security options
Dell Trusted Devices
Additional Software Security Features
Netskope Cloud Access Security Broker (CASB)
Netskope Secure Web Gateway
Netskope Zero Trust Private Access
Vmware Carbon Black Endpoint Standard
Vmware Carbon Black Endpoint Standard + Secureworks Taegis XDR Bundle
Vmware Carbon Black Endpoint Advanced
Vmware Carbon Black Endpoint Enterprise
Secureworks Taegis XDR
VMware Workspace ONE Standard
VMware Workspace ONE Advanced
VMware Workspace ONE Enterprise
Absolute Endpoint - Visibility
Absolute Endpoint - Control
Absolute Endpoint - Resilience

Fingerprint reader

The following table lists the fingerprint reader specifications of your Latitude 9440 2-in-1.

Table 35. Fingerprint reader specifications

Category	Goodix—GF5288WNC
Sensor technology	Capacitive sensing
Sensor resolution	500 dpi
Sensor size	5.48 mm x 4.47 mm
Sensor pixel size	108 x 88 pixels
Dell ControlVault support	Yes
Dell ControlVault 3.0 support	Yes
Anti-spoofing	Yes
Template storage	Dell ControlVault HW protected and encrypted
Match on chip	Yes
FIPS 201 certified	No

Dell ControlVault 3.0

The following table lists the Dell ControlVault 3.0 specifications of your Latitude 9440 2-in-1.

Table 36. Dell ControlVault 3.0 specifications

Title	Description	Dell ControlVault 3.0
CPU technology	N/A	1 GHz ARM Cortex A7
RAM	N/A	1 MB
ROM	N/A	16 MB
TPM included	TPM enumeration included within ControlVault	No
Host Interface	N/A	USB 2.0
Fingerprint procession on chip	Fingerprint processing occurs within secure boundary of ControlVault	Yes
Windows WBF support	Support for Windows biometric framework when Fingerprint reader is attached	Yes
FIPS 140-2 level 3 complaint	Device complaint with FIPS 140-2 level 3 requirements	Yes
FIPS 140-2 level 3 certified	Device certified with FIPS 140-2 level 3 requirements	Yes

Trusted Platform Module

The following table lists the Trusted Platform Module (TPM) of your Latitude 9440 2-in-1.

Table 37. Trusted Platform Module (TPM)

TPM: ST/ST33 HTPH2X32AHD8
SPI interface
TPM 2.0
FIPs 140-2 certificate

Systems management

The following table lists the system management features of your Latitude 9440 2-in-1.

Table 38. Systems management

Systems management
Intel vPro Technology, iAMT 14 (Optional, requires Intel WiFi® Link WLAN and a vPro compatible processor)
Dell Client Command Suite (dell.com/command)
Factory installed Dell Client Command
Dell Command Update
Dell Power Manager
Dell Optimizer

Dell Client Command Suite for In-Band systems management

Dell Client Command Suite is a free toolkit available for download, for all Latitude Rugged tablets at dell.com/support, that automates and streamlines systems management tasks, saving time, money, and resources. It consists of the following modules that can be used independently, or with a variety of systems management consoles such as SCCM.

Dell Client Command Suite's integration with VMware Workspace ONE Powered by AirWatch, now allows customers to manage their Dell client hardware from the cloud, using a single Workspace ONE console.

Dell Command | Deploy enables easy operating system (OS) deployment across all major OS deployment methodologies and provides numerous system-specific drivers that have been extracted and reduced to an OS-consumable state.

Dell Command | Configure is a graphical user interface (GUI) admin tool for configuring and deploying hardware settings in a pre-OS or post-OS environment, and it operates seamlessly with SCCM and Airwatch and can be self-integrated into LANDesk and KACE. Simply, this is all about the BIOS. Command | Configure allows you to remotely automate and configure over 150+ BIOS settings for a personalized user experience.

Dell Command | PowerShell Provider can do the same things as Command | Configure, but with a different method. PowerShell is a scripting language that allows customers to create a customized and dynamic configuration process.

Dell Command | Monitor is a Windows Management Instrumentation (WMI) agent that provides IT admins with an extensive inventory of the hardware and health-state data. Admins can also configure hardware remotely by using command line and scripting.

Dell Command | Update (end-user tool) is factory-installed and allows admins to individually manage and automatically present and install Dell updates to the BIOS, drivers, and software. Command | Update eliminates the time-consuming hunting and pecking process of update installation.

Dell Command | Update Catalog provides searchable metadata that allows the management console to retrieve the latest system-specific updates (driver, firmware or BIOS). The updates are then delivered seamlessly to end-users using the customer's systems management infrastructure that is consuming the catalog (like SCCM).

Dell Command | vPro Out of Band console extends hardware management to systems that are offline or have an unreachable OS (Dell exclusive features).

Dell Command | Integration Suite for System Center - This suite integrates all the key components of the Client Command Suite into Microsoft System Center Configuration Manager 2012 and Current Branch versions.

Out of Band Systems Management

Intel Standard Manageability option **must be configured in our factory at the time of purchase, as it is NOT field upgradable**. It offers out-of-band management and DASH compliance (https://registry.dmtf.org/registry/results/field_initiative_name%3A%22DASH%201.0%22).

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.

SafeShutter

This section details the SafeShutter specifications of your Latitude 9440 2-in-1.

SafeShutter is an automatic security webcam that knows when to automatically open or close the camera shutter by syncing to your video conferencing applications when you grant permission.

SafeShutter lets you take control of your privacy with the camera disable (F9 key) and mic mute (F4 key) to override software settings. When the camera is on, press the F9 key to close the camera shutter and then press the F9 key again to open the camera shutter.

Dell Optimizer

This section details the Dell Optimizer specifications of your Latitude 9440 2-in-1.

Dell Optimizer is a software application that intelligently optimizes the performance of your system by using artificial intelligence and machine learning. Dell Optimizer dynamically configures your system settings to optimize the performance of your applications. It improves the productivity, performance, and user experience through system usage analysis and learning.

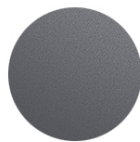
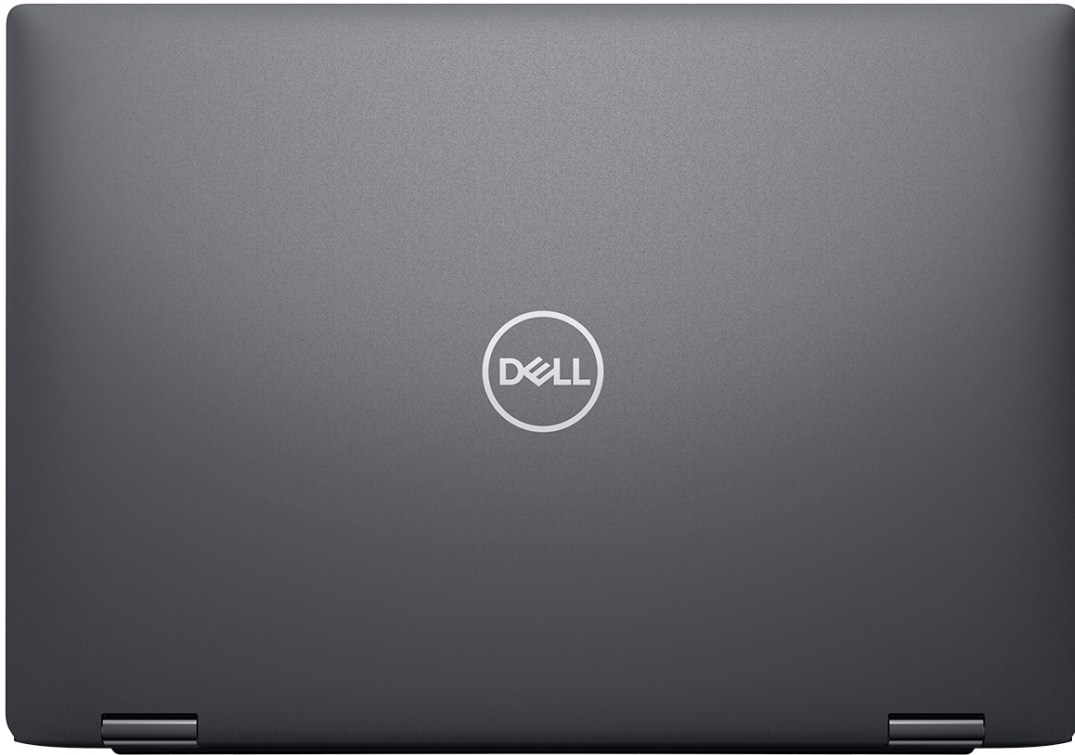
On Latitude 9440 2-in-1 with Dell Optimizer, the following features are supported:

- Improves user experience through computer usage analysis and learning
- Faster application launch and seamless application transition
- Intelligent battery run-time extension
- Optimized Audio for best meeting experience
- Locks computer when walks away for enhanced security
- Faster computer wake-on-user approach
- Intelligently shows alerts
- Updates automatically to minimize disruption
- Enables the Collaboration Touchpad for use on Zoom calls.

For more information about configuring and using these features, see [Dell Optimizer User Guide](#).

Color, material, and finish

This section details the color, material, and finish (CMF) specifications of your Latitude 9440 2-in-1.



Magnetite

Table 39. CMF specifications

A Cover	- Aluminum - Extrusion + CNC + Insert Molded + Diamond cut - Ano Magnetite Dull BB Nano (Top) / Diamond cut (side wall)
B Cover	- E2E Glass: Plastic/Painted - Dell Standard Black Dull WUVW
C Cover (Palm-rest)	- Aluminum / Glass composite - Aluminum: Extrusion + CNC + Insert Molded + Diamond cut - Glass Composite: Printing + UV Molding + CNC + AF Coating - Aluminum: Ano Magnetite Dull BB Nano (Top)/Diamond cut (side wall) - Glass composite: Solid Magnetite Matte

Table 39. CMF specifications (continued)

D Cover (Bottom)	• Magnesium • Insert Molded + Painted • Magnetite Velvet WPUST
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Keyboard shortcuts

 **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 40. List of keyboard shortcuts

Function key	Primary behavior	Function key	Secondary behavior
Esc	Escape	Fn + Esc	Fn Toggle
F1	Mute audio	Fn + F1	Operating system and application specific F1 behavior
F2	Decrease volume	Fn + F2	Operating system and application specific F2 behavior
F3	Increase volume	Fn + F3	Operating system and application specific F3 behavior
F4	Mic Mute	Fn + F4	Operating system and application specific F4 behavior
F5	Keyboard backlight  NOTE: Not applicable for non-backlight keyboard.	Fn + F5	Operating system and application specific F5 behavior
F6	Decrease screen brightness	Fn + F6	Operating system and application specific F6 behavior
F7	Increase screen brightness		Operating system and application specific F7 behavior
F8	Switch to external display	Fn + F8	Operating system and application specific F8 behavior
F9	Disable camera	Fn + F9	Operating system and application specific F9 behavior

Table 40. List of keyboard shortcuts (continued)

Function key	Primary behavior	Function key	Secondary behavior
F10	Print Screen	Fn + F10	Operating system and application specific F10 behavior
F11	Home	Fn + F11	Operating system and application specific F11 behavior
F12	End	Fn + F12	Operating system and application specific F12 behavior

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

Table 41. Secondary behavior

Function key	Behavior
Fn + Esc	Toggle Fn-key lock
Fn + S	Toggle scroll lock
Fn + B	Pause
Fn + Ctrl + B	Break
Fn + R	System request
Fn + Left arrow	Home
Fn + Right arrow	End
Fn + Shift + B	Key sequence will call unobtrusive mode. The hotkey sequence will be disabled by default to prevent accidental actuation. User may enable via BIOS setup option.

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 42. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	www.dell.com/support/windows
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.