


Latitude 7440

Setup and Specifications

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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 7440

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

1. Connect the power adapter and press the power button.



NOTE: To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

2. Finish operating system setup.

For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at www.dell.com/support.

For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.






NOTE: If connecting to a secured wireless network, enter the password for the wireless network access when prompted.

- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.

- On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps

Resources	Description
	<p>Dell Product Registration Register your computer with Dell.</p>
	<p>Dell Help & Support Access help and support for your computer.</p>
	<p>SupportAssist SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools. NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p>Dell Update Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>Dell Digital Delivery Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p>

Views of Latitude 7440

Right



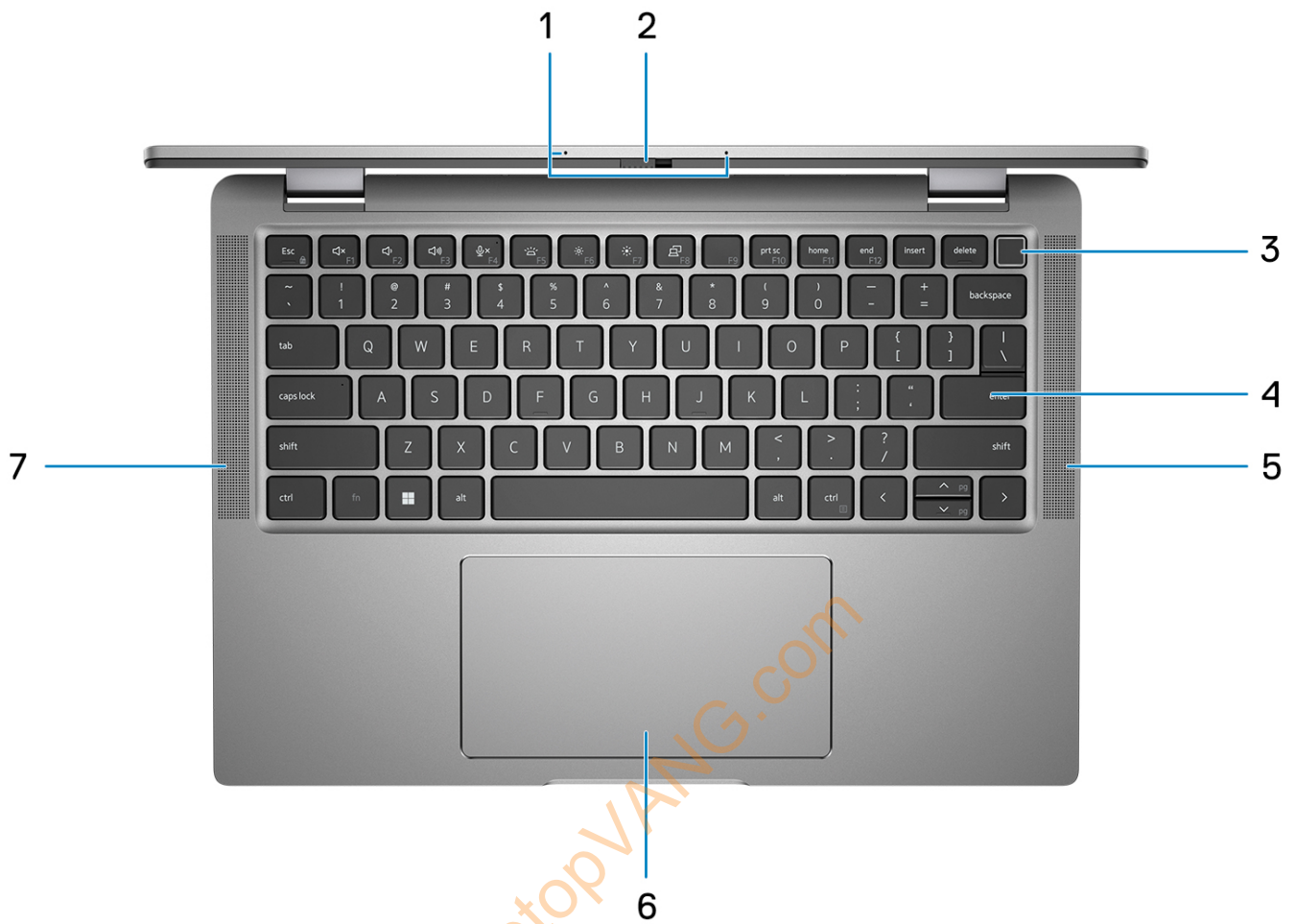
1. NanoSIM slot (optional)
2. Universal audio port
3. USB 3.2 Gen 1 port
4. USB 3.2 Gen 1 port with PowerShare
5. Wedge-shaped lock slot

Left



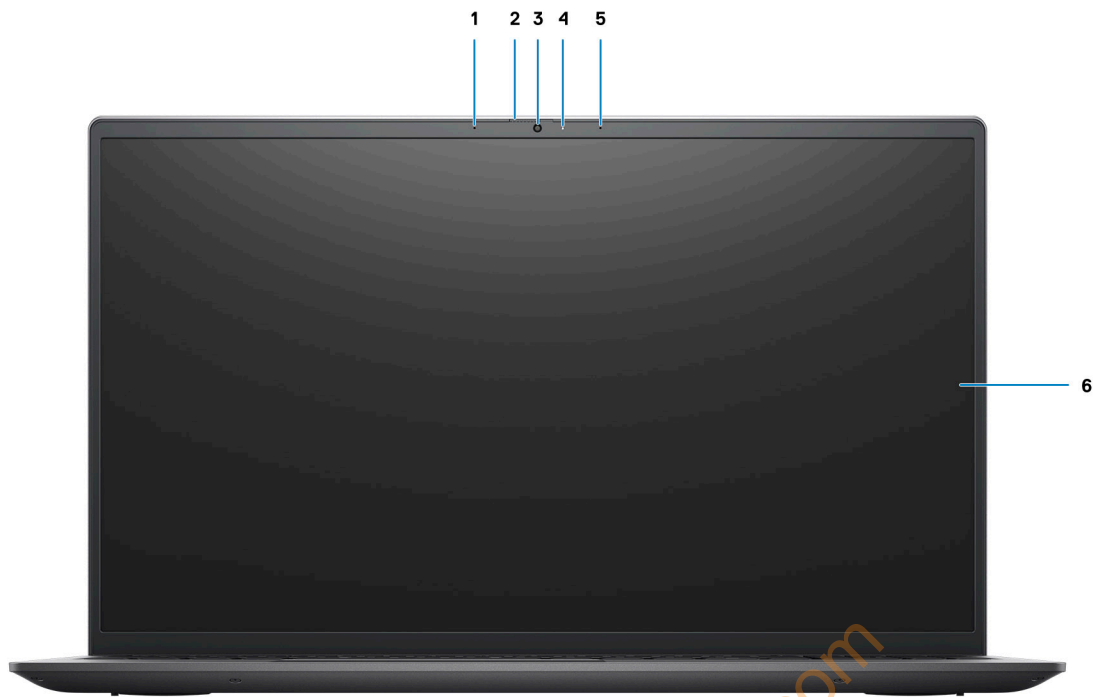
1. HDMI 2.0 port
2. Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
3. Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
4. Battery indicator LED
5. Smart-card reader slot (optional)

Top



1. Dual array microphone
2. Camera shutter
3. Power button with fingerprint reader (optional)
4. Keyboard
5. Speaker
6. Clickpad
7. Speaker

Display



1. IR emitter (optional)
2. IR camera (optional)
3. RGB camera
4. Camera indicator LED
5. Ambient Light Sensor (ALS, optional)
6. LCD panel

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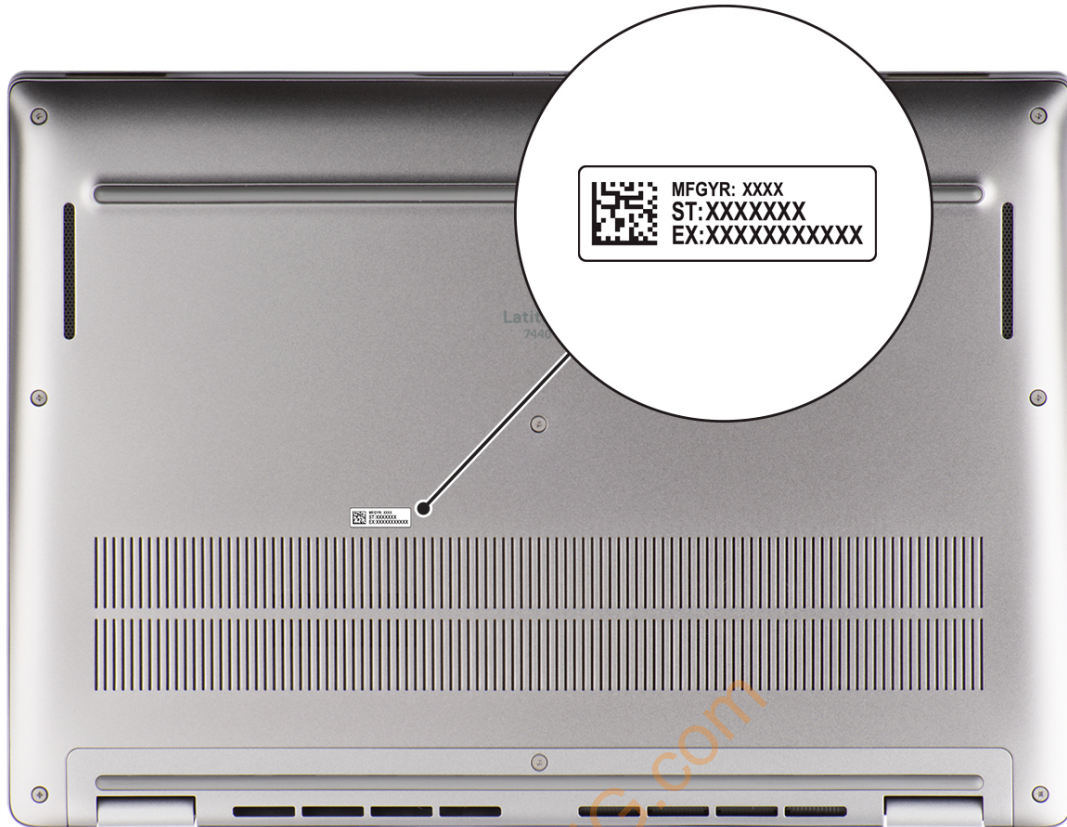
Bottom



1. Speaker
2. Air vents
3. Service Tag

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

NOTE: The following modes are applicable only to Latitude 7440 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 7440.

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 7440

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 7440.

Table 3. Dimensions and weight

Description	Laptop-Mainstream	2-in-1	Laptop-Ultralight
Height:			
Front height	17.1 mm (0.67 in.)	17.1 mm (0.67 in.)	17.15 mm (0.68 in.)
Rear height	18.21 mm (0.72 in.)	18.21 mm (0.72 in.)	17.95 mm (0.71 in.)
Width	313 mm (12.32 in.)	313.00 mm (12.32 in.)	313.00 mm (12.32 in.)
Depth	222.75 mm (8.76 in.)	222.75 mm (8.76 in.)	220.2 mm (8.66 in.)
Weight i NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	2.91 lbs. (1.322 kg)	3.36 lbs. (1.525 kg)	2.33 lbs. (1.05 kg)

Processor

The following table lists the details of the processors that are supported by your Latitude 7440.

Table 4. Processor

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven
Processor type	13 th Generation Intel Core i5-1335U	13 th Generation Intel Core i5-1345U	13 th Generation Intel Core i7-1355U	13 th Generation Intel Core i7-1365U	13 th Generation Intel Core i5-1340P	13 th Generation Intel Core i5-1350P	13 th Generation Intel Core i7-1370P
Processor wattage	15 W	15 W	15 W	15 W	28 W	28 W	28 W
Processor core count	10	10	10	10	12	12	14
Processor thread count	12	12	12	12	16	16	14
Processor speed	0.9 GHz to 4.6 GHz	1.2 GHz to 4.7 GHz	1.2 GHz to 5.0 GHz	1.3 GHz to 5.2 GHz	1.4 GHz to 4.6 GHz	1.4 GHz to 4.7 GHz	1.4 GHz to 5.2 GHz
Processor cache	12 MB	12 MB	12 MB	12 MB	12 MB	12 MB	24 MB
Integrated graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel Iris X ^e 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 7440.

Table 5. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	13 th Generation Intel Core i5/i7
DRAM bus width	Dual-channel, 64-bit
Flash EPROM	32 MB + 16 MB
PCIe bus	Up to Gen4.0

Operating system


Your Latitude 7440 supports the following operating systems:

- Windows 11 2022H2
- Windows 11 2021H2
- Windows 11 Pro Downgrade (Windows 10 image factory installed)
- Ubuntu 22.04, 64-bit

Memory

The following table lists the memory specifications of your Latitude 7440.

Table 6. Memory specifications

Description	Values
Memory slots	On-board memory  NOTE: Not upgradable
Memory type	Dual-channel, LPDDR5
Memory speed	4800 MT/s
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB, Dual-Channel LPDDR5, 4800 MT/s• 16 GB, Dual-Channel LPDDR5, 4800 MT/s• 32 GB, Dual-Channel LPDDR5, 4800 MT/s

External ports

The following table lists the external ports on your Latitude 7440.

Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none"> Two Thunderbolt 4 ports with DisplayPort Alt Mode/USB C/USB4/Power Delivery One USB 3.2 Gen 1 port One USB 3.2 Gen 1 port with PowerShare
Audio port	One Universal Audio Jack
Video port/ports	One HDMI 2.0
Media-card reader	Not supported
Power-adaptor port	60 W/65 W/100 W adaptor USB-C
Security-cable slot	One wedge-shaped security lock slot
Smart Card Reader	Contacted and Contactless + NFC (optional)
SIM slot	NanoSIM slot (optional)

Internal slots

The following table lists the internal slots of your Latitude 7440.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for solid-state drive One M.2 3042 slot for 4G WWAN card One M.2 3052 slot for 5G WWAN card <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 Wireless Local Area Network (WLAN) module supported on your Latitude 7440.

Table 9. Wireless module specifications

Description	Values
Model number	Intel AX211 (Integrated on system board)
Transfer rate	2400 Mbps
Frequency bands supported	2.40 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n)

Table 9. Wireless module specifications (continued)

Description	Values
	<ul style="list-style-type: none"> • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth wireless card

Audio

The following table lists the audio specifications of your Latitude 7440.

Table 10. Audio specifications

Description	Values	
Audio controller	Realtek ALC3281	
Stereo conversion	Supported	
Internal audio interface	High definition audio interface	
External audio interface	Universal Audio Jack	
Number of speakers	Four	
Internal-speaker amplifier	Supported	
External volume controls	Supported	
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output	Not supported	
Microphone	Dual-array	

Storage

This section lists the storage options on your Latitude 7440.

Your computer supports the following storage configurations:

- One M.2 2230 solid-state drive

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

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe NVMe Gen4 x4	256 GB/512 GB/1 TB/2 TB

Table 11. Storage specifications (continued)

Storage type	Interface type	Capacity
M.2 2230 solid-state drive, Self-encrypting drive, Opal 2.0	PCIe NVMe Gen4 x4	Up to 256 GB

Keyboard

The following table lists the keyboard specifications of your Latitude 7440.

Table 12. Keyboard specifications

Description	Values
Keyboard type	New Pro 2.5 battery-saving Mini LED 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
Keyboard size	X=19.05 mm (0.75 in.) key pitch Y=18.05 mm (0.71 in.) 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.</p>

Camera

The following table lists the camera specifications of your Latitude 7440.

Table 13. Camera specifications

Description	Option one	Option two	Option three
Number of cameras	There is one camera option: <ul style="list-style-type: none"> FHD RGB Camera 	There is one camera option: <ul style="list-style-type: none"> FHD RGB + IR Camera 	There is one camera option: <ul style="list-style-type: none"> 5M RGB + IR Camera
Camera type	3.8 mm, 1080p at 30 fps, FHD RGB Webcam	3.8 mm, 1080p at 30 fps, FHD RGB+IR Webcam with ALS	4.4 mm, 1080p at 30 fps, 5M RGB+IR Webcam with ALS
Camera location	Front camera	Front camera	Front camera
Camera sensor type	CMOS sensor technology	CMOS sensor technology	CMOS sensor technology
Camera resolution:			
Still image	1920 x 1080 (FHD)	1920 x 1080 (FHD)	2560 x 1920 (5M)
Video	1920 x 1080 (FHD) at 30 fps	1920 x 1080 (FHD) at 30 fps	2560 x 1920 (5M) at 30 fps
Infrared camera resolution:			
Still image	Not supported	640 x 360	640 x 480

Table 13. Camera specifications (continued)

Description	Option one	Option two	Option three
Video	Not supported	640 x 360 at 15 fps	640 x 480 at 15 fps
Diagonal viewing angle:			
Camera	82 degrees	80 degrees	92 degrees
Infrared camera	Not supported	86.6 degrees	77.3 degrees

Clickpad

The following table lists the clickpad specifications of your Latitude 7440.

Table 14. Clickpad specifications

Description	Values
Clickpad resolution:	
Horizontal	>300 dpi
Vertical	
Clickpad dimensions:	
Horizontal	133 mm (5.23 in.)
Vertical	72 mm (3.54 in.)
Clickpad gestures	For more information about clickpad gestures available on Windows, see the Microsoft knowledge base article at support.microsoft.com .


Power adapter

The following table lists the power adapter specifications of your Latitude 7440.

Table 15. Power adapter specifications

Description	Option one	Option two	Option three
Type	60 W AC adapter, USB-C	65 W AC adapter, USB-C	100 W AC adapter, USB-C
Power-adapter dimensions:			
Height	22.00 mm (0.866 in.)	28.00 mm (1.10 in.)	26.50 mm (4.80 in.)
Width	66.00 mm (2.598 in.)	51.00 mm (2.01 in.)	60.00 mm (2.36 in.)
Depth	55.00 mm (2.165 in.)	112.00 mm (4.41 in.)	122.00 mm (4.80 in.)
Weight	0.105 kg (0.231 lbs)	0.201 kg (0.443 lbs)	0.33 kg (0.731 lbs)
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	1.70 A
Output current (continuous)	<ul style="list-style-type: none"> • 20 V/3 A • 15 V/3 A • 9 V/3 A • 5 V/3 A 	<ul style="list-style-type: none"> • 20 V/3.25 A • 15 V/3 A • 9 V/3 A • 5 V/3 A 	<ul style="list-style-type: none"> • 20 V/5 A • 15 V/3 A • 9 V/3 A • 5 V/3 A

Table 15. Power adapter specifications (continued)

Description		Option one	Option two	Option three
Rated output voltage		<ul style="list-style-type: none"> • 20 VDC • 15VDC • 9 VDC • 5 VDC 	<ul style="list-style-type: none"> • 20 VDC • 15VDC • 9 VDC • 5 VDC 	<ul style="list-style-type: none"> • 20 VDC • 15VDC • 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	-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)
 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 7440.

Table 16. Battery specifications

Description		Option one	Option two	Option three	Option four
Battery type		2-cell, 38 Wh, lithium ion, ExpressCharge™	3-cell, 57 Wh, lithium ion, ExpressCharge™	2-cell, 38 Wh, lithium ion, Long Lifecycle, ExpressCharge™	3-cell, 57 Wh, lithium ion, Long Lifecycle, ExpressCharge™
Battery voltage		7.60 VDC	11.40 VDC	7.60 VDC	11.40 VDC
Battery weight (maximum)		0.156 Kg (0.34 lb)	0.227 kg (0.50 lb)	0.156 Kg (0.34 lb)	0.227 kg (0.50 lb)
Battery dimensions:					
	Height	6.30 mm (0.24 in.)	6.30 mm (0.24 in.)	6.30 mm (0.24 in.)	6.30 mm (0.24 in.)
	Width	210.97 mm (8.30 in.)	254.8 mm (10.03 in.)	210.97 mm (8.30 in.)	254.8 mm (10.03 in.)
	Depth	79.80 mm (3.10 in.)	79.8 mm (3.10 in.)	79.80 mm (3.10 in.)	79.8 mm (3.10 in.)
Temperature range:					
	Operating	<ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F)
	Storage	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (4°F to 149°F)	-20°C to 65°C (4°F to 149°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

Table 16. Battery specifications (continued)

Description	Option one	Option two	Option three	Option four
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 about Dell Power Manager, search in the Knowledge Base Resource at www.dell.com/support .	Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Express Charge Boost Charge Method (Fast Charge for Initial 35%): <ul style="list-style-type: none"> 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge 	Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Express Charge Boost Charge Method (Fast Charge for Initial 35%): <ul style="list-style-type: none"> 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge 	Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours 	Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours
Coin-cell battery	Supported	Supported	Supported	Supported
<p>⚠ 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.</p> <p>⚠ 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.</p>				

Display

The following table lists the display specifications of your Latitude 7440.

Table 17. Display specifications

Description	Option one	Option two	Option three	Option four	Option five
Display type	Full High Definition (FHD)	Full High Definition (FHD)	Full High Definition (FHD) light weight	Quad High Definition (QHD)	Full High Definition (FHD) 2-in-1
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide-viewing angle (WVA)

Table 17. Display specifications (continued)

Description		Option one	Option two	Option three	Option four	Option five
Display-panel dimensions (active area):						
	Height	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)
	Width	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)
	Diagonal	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)	355.65 mm (14.00 in.)
Display-panel native resolution		1920 x 1200	1920 x 1200	1920 x 1200	2560 x 1600	1920 x 1200
Luminance (typical)		250 nits	300 nits	400 nits	400 nits	300 nits
Megapixels		2.30	2.30	2.30	4.06	2.3
Color gamut		45% NTSC	72% NTSC	100% sRGB	100% sRGB	100% sRGB
Pixels Per Inch (PPI)		162 ppi	162 ppi	162 ppi	216 ppi	161 ppi
Contrast ratio (typ)		600:1	600:01	1000:01	1000:1	1200
Response time (min)		35 ms	35 ms	35 ms	35 ms	35 ms
Refresh rate		60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle		<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	+/- 88 degrees (min)
Vertical view angle		<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	<ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) 	+/- 88 degrees (min)
Pixel pitch		0.157 mm	0.157 mm	0.157 mm	0.1178 mm	0.157 mm
Power consumption (maximum)		3.20 W	4.40 W	2.75 W	3.75 W	2.9 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-reflection and anti-smudge
Touch options		No	Yes	No	Yes	Yes
Color		16.2 M	16.2 M	16.7 M	16.7 M	16.2 M
Panel Type		6 bit+FRC	6 bit+FRC	True 8 bit	True 8 bit	6 bit+FRC

Fingerprint reader (Optional)

The following table lists the fingerprint-reader specifications of your Latitude 7440.

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

Table 18. Fingerprint reader specifications

Description	Option One	Option two
Fingerprint-reader sensor technology	Capacitive	Capacitive
Fingerprint-reader sensor resolution	500 dpi	508 dpi
Fingerprint-reader sensor pixel size	<ul style="list-style-type: none"> • X: 108 • Y: 88 	<ul style="list-style-type: none"> • X: 96 • Y: 96

Sensor

The following table lists the sensor of your Latitude 7440.

Table 19. Sensor

Sensor support
Accelerometer (ST Micro LIS2DW12TR): On the base (system board) for both laptop and 2-in-1 systems
Accelerometer + Gyro (ST Micro LSM6DSOISTR): On the hinge-up sensor board for 2-in-1 system
Accelerometer (ST Micro LIS2DW12TR): On the hinge-up mid-board in upsell configuration of laptop MIPI RGB+IR camera
Ambient Light Sensor (optional)
E-compass (ST Micro LIS2MDLTR), only for 2-in-1 system
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 7440.

Table 20. GPU—Integrated

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

Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 7440.

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 ^e Graphics	Not applicable	3	4

Hardware security

The following table lists the hardware security of your Latitude 7440.

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
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 metal laptops)

Smart-card reader

Contactless smart-card reader

This section lists the contactless smart-card reader specifications of your Latitude 7440.

Table 23. Contactless smart-card reader specifications

Title	Description	Dell ControlVault 3 contactless smart-card reader with NFC
Felica Card Support	Reader and software capable of supporting Felica contactless cards	Yes
ISO 14443 Type A Card Support	Reader and software capable of supporting ISO 14443 Type A contactless cards	Yes
ISO 14443 Type B Card Support	Reader and software capable of supporting ISO 14443 Type B contactless cards	Yes

Table 23. Contactless smart-card reader specifications (continued)

Title	Description	Dell ControlVault 3 contactless smart-card reader with NFC
ISO/IEC 21481	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO/IEC 18092	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO 15693 Card Support	Reader and software capable of supporting ISO15693 contactless cards	Yes
NFC Tag Support	Supports reading and processing of NFC compliant tag information	Yes
NFC Reader Mode	Support for NFC Forum Defined Reader mode	Yes
NFC Writer Mode	Support for NFC Forum Defined Writer mode	Yes
NFC Peer-to-Peer Mode	Support for NFC Forum Defined Peer to Peer mode	Yes
EMVCo Compliant	Compliant with EMVCO smart card standards as posted to www.emvco.com	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
NFC Proximity OS Interface	Enumerates NFP (Near Field Proximity) device for OS to utilize	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 Microsoft WHCK	Yes
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes
FIDO2 compliance	Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC	No


 **NOTE:** 125 KHz proximity cards are not supported.

Table 24. Supported cards

Manufacturer	Card
HID	jCOP readertest3 A card (14443a)
	1430 1L
	DESFire D8H
	iClass (Legacy)
	iClass SEOS
NXP/Mifare	Mifare DESFire 8K White PVC Cards

Table 24. Supported cards (continued)

Manufacturer	Card
	Mifare Classic 1K White PVC Cards
	NXP Mifare Classic S50 ISO Card
G&D	idOnDemand - SCE3.2 144K
	SCE6.0 FIPS 80K Dual+ 1 K Mifare
	SCE6.0 nonFIPS 80K Dual+ 1 K Mifare
	SCE6.0 FIPS 144K Dual + 1K Mifare
	SCE6.0 nonFIPS 144K Dual + 1 K Mifare
	SCE7.0 FIPS 144K
Oberthur	idOnDemand - OCS5.2 80K
	ID-One Cosmo 64 RSA D V5.4 T=0 card

Contacted smart-card reader

The following table lists the contacted smart-card reader specifications of your Latitude 7440.

Table 25. 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.)	N/A
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 www.emvco.com	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 25. 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	No

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 7440.

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

Table 26. 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 (49.86 ft to 10000 ft)	-15.2 m to 10668 m (49.86 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.