

# Specifications of Latitude 7410

## Dimensions and weights

The following table lists the height, width, depth, and weight of your Latitude 7410.

### Laptop

Table 5. Dimensions and weight

Description	Values
Height :	
Front height	0.71 in. (18.13 mm)
Rear height	0.76 in. (19.33 mm)
Width	12.65 in. (321.35 mm)
Depth	8.22 in. (208.69 mm)
Weight (starting)	2.93 lb (1.33 kg)

### 2-in-1

Table 6. Dimensions and weight

Description	Values
Height (maximum):	
Front height	0.67 in. (17.07 mm)
Rear height	0.76 in. (19.38 mm)
Width	12.65 in. (321.35 mm)
Depth	8.22 in. (208.69 mm)
Weight (starting)	3.22 lb (1.46 kg)

 **NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.**

## Processors

Table 7. Processors

Description	Values			
Processors	10 <sup>th</sup> Generation Intel Core i5-10210U (non-vPro)	10 <sup>th</sup> Generation Intel Core i5-10310U (vPro)	10 <sup>th</sup> Generation Intel Core i7-10610U (vPro)	10 <sup>th</sup> Generation Intel Core i7-10810U (vPro)
Wattage	15 W	15 W	15 W	15 W
Core count	4	4	4	6

Description	Values			
Thread count	8	8	8	12
Speed	1.6 GHz to 4.2 GHz	1.7 GHz to 4.4 GHz	1.8 to 4.9 GHz	1.1 GHz to 4.9 GHz
Cache	6 MB	6 MB	8 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel UHD Graphics	Intel UHD Graphics

## Chipset

**Table 8. Chipset**

Description	Values
Chipset	Intel Comet Lake U PCH
Processor	10 <sup>th</sup> Generation Intel Comet Lake Core i5/i7 processors
DRAM bus width	64-bit
PCIe bus	Up to Gen3

## Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu 18.04 LTS (not available for 2-in-1 system configurations)

## Memory

The following table lists the memory specifications of your Latitude 7410.

**Table 9. Memory specifications**

Description	Values
Memory slots	Built on system board
Memory type	Dual-channel DDR4
Memory speed	2666 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	4 GB
Memory configurations supported	<ul style="list-style-type: none"> <li>• 4 GB, 1 x 4 GB</li> <li>• 8 GB, 2 x 4 GB</li> <li>• 16 GB, 2 x 8 GB</li> <li>• 32 GB, 2 x 16 GB</li> </ul>

# External ports

The following table lists the external ports on your Latitude 7410.

**Table 10. External ports**

Description	Values
USB ports	<ul style="list-style-type: none"><li>• One USB 3.2 Gen 1 Type-A ports, one with PowerShare</li><li>• Two USB 3.2 Gen 2 Type-C ports with Power Delivery, DisplayPort over USB Type-C, and Thunderbolt 3</li><li>• One Universal Audio Jack</li><li>• One HDMI 2.0 port</li></ul>
Audio port	One Universal Audio Jack
Video port	<ul style="list-style-type: none"><li>• One HDMI 2.0 port</li><li>• Two USB 3.2 Gen 2 Display port USB Type-C ports and Thunderbolt 3</li></ul>
Media-card reader	One micro-SD Card reader
Docking port	Supported by USB Type-C port
Power-adapter port	Two USB 3.2 Gen 2 Type-C ports with Power Delivery
Security	One Wedge-shaped lock slot

# Internal connectors

**Table 11. Internal ports and connectors**

Description	Values
One M.2 Key-M (2280 or 2230) for solid-state drive	<ul style="list-style-type: none"><li>• Class 35: 128 GB, 256 GB, 512 GB 2230 SSD</li><li>• Class 40: 256 GB, 512 GB, 1 TB 2280 SSD</li><li>• Class 40: 256 GB, 512 GB 2280 SED</li></ul>
One M.2 2230 Key-E for WWAN card	<ul style="list-style-type: none"><li>• Laptop: Qualcomm Snapdragon X20 LTE-A (DW5829e) eSIM capable</li><li>• 2-in-1: Qualcomm Snapdragon X20 LTE-A (DW5821e) eSIM capable</li></ul>

 **NOTE:** To learn more about the features of different types of M.2 cards, see the knowledge base article [SLN301626](#).

# Wireless module

The following table lists the Wireless Local Area Network (WLAN) and Wireless Wide Area Network (WWAN) module specifications of your Latitude 7410.

## WLAN modules

The WiFi module on this system is built on the system board.

**Table 12. Wireless module specifications**

Description	Option one	Option two
Model number	Intel Wireless-AC 9560, 2x2, 802.11ac with Bluetooth 5.1 (non-vpro)	Intel Wi-Fi 6 AX201, 2x2, 802.11ax with Bluetooth 5.1 (vpro)
Transfer rate	<ul style="list-style-type: none"> <li>802.11ac - Up to 867 Mbps</li> <li>802.11n - Up to 450 Mbps</li> <li>802.11a/g - Up to 54 Mbps</li> <li>802.11b - Up to 11 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>2.4 GHz 40M: Up to 574 Mbps</li> <li>5 GHz 80M: Up to 1.2 Gbps</li> <li>5 GHz 160M: Up to 2.4 Gbps</li> </ul>
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	IEEE 802.11a/b/g/n/ac MU-MIMO RX	IEEE 802.11a/b/g/n/ac/ax, 160MHz channel use
Encryption	<ul style="list-style-type: none"> <li>64/128-bit WEP/AES-CCMP</li> <li>PAP, CHAP, TLS, GTC, MS-CHAP, MS-CHAPv2</li> </ul>	<ul style="list-style-type: none"> <li>64/128-bit WEP</li> <li>128-bit AES-CCMP</li> <li>TKIP</li> </ul>
Bluetooth	Bluetooth 5.1	Bluetooth 5.1

## WWAN modules

The following list provides the mobile broadband module options available on Latitude 7410

### 1. 2-in-1:

- Qualcomm Snapdragon X20 Gigabit LTE CAT 16 (DW5821e; e-SIM enabled), WW excluding China, Turkey, US
- Qualcomm Snapdragon X20 Gigabit LTE CAT 16 (DW5821e) WW
- Qualcomm Snapdragon X20 Gigabit LTE CAT 16 (DW5821e) for AT&T, Verizon and Sprint, US only

### 2. Laptop:

- Qualcomm Snapdragon X20 LTE-A CAT 9 (DW5829e; e-SIM enabled) WW excluding China, Turkey, US
- Qualcomm Snapdragon X20 LTE-A CAT 9 (DW5829e) WW
- Qualcomm Snapdragon X20 LTE-A CAT 9 (DW5829e) for AT&T, Verizon and Sprint, US only

## Audio

**Table 13. Audio specification**

Descriptions	Values
Type	High-definition audio
Controller	Realtek ALC3254
Stereo conversion	Supported
Internal interface	High-definition audio
External interface	Universal audio jack
Speakers	Two
Internal speaker amplifier	Supported (audio codec integrated)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average	2 W

Descriptions	Values
Peak	2.5 W
Microphone	Dual-array microphones

## Storage

This section lists the storage options on your Latitude 7410.

Your computer supports one of the following configurations:

- M.2 2230, PCIe x4 NVMe, Class 35 SSD
- M.2 2280, PCIe x4 NVMe, Class 40 SSD
- M.2 2280, PCIe x4 NVMe, Class 40 SED

**NOTE:** The primary drive of your computer varies with the storage configuration. For computers with a M.2 drive, the M.2 drive is the primary drive.

**Table 14. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230, PCIe x4 NVMe, Class 35 SSD	PCIe x4 NVMe 3.0	up to 512 GB
M.2 2280, PCIe x4 NVMe, Class 40 SSD	PCIe x4 NVMe 3.0	up to 1 TB
M.2 2280, PCIe x4 NVMe, Class 40 SED	PCIe x4 NVMe 3.0	up to 512 GB

## Media-card reader

**Table 15. Media-card reader specifications**

Description	Values
Type	micro-SD Card reader
Cards supported	<ul style="list-style-type: none"> <li>• micro-Secure Digital (SD)</li> <li>• micro-Secure Digital High Capacity (SDHC)</li> <li>• micro-SD Extended Capacity (SDXC)</li> </ul>

## Keyboard

**Table 16. Keyboard specifications**

Description	Values
Type	<ul style="list-style-type: none"> <li>• Standard spill resistant keyboard (Optional backlit)</li> </ul>
Layout	QWERTY/KANJI
Number of keys	<ul style="list-style-type: none"> <li>• United States and Canada: 81 keys</li> <li>• United Kingdom: 82 keys</li> <li>• Japan: 85 keys</li> </ul>
Size	X=18.07 mm key pitch Y=18.07 mm key pitch
Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform

Description	Values
	secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key. For more information see the <a href="#">Keyboard shortcuts</a> section.
	<b>NOTE:</b> 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 7410.

**Table 17. Camera specifications**

Description	Values
Number of cameras	One
Camera type	<ul style="list-style-type: none"> <li>2.7 mm HD (1920 x 1080 at 30 fps) RGB Webcam</li> <li>3 mm HD (1920 x 1080 at 30 fps) RGB/IR Webcam with ALS and Proximity Sensor</li> <li>6 mm HD (1920 x 1080 at 30 fps) RGB Webcam</li> <li>6 mm HD (1920 x 1080 at 30 fps) RGB/IR Webcam with ALS and Proximity Sensor</li> </ul>
Camera location	Front
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	2 Megapixels
Video	1920 x 1080 (HD) at 30 fps
Infrared camera resolution:	
Still image	2 Megapixels
Video	1920 x 1080 (HD) at 30 fps
Diagonal viewing angle:	
Camera	78.6 degrees
Infrared camera	78.6 degrees

## Touchpad

**Table 18. Touchpad specifications**

Description	Values
Resolution:	
Horizontal	3054
Vertical	1790
Dimensions:	

Description	Values
Horizontal	105 mm (4.13 in.)
Vertical	65 mm (2.56 in.)

## Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article [4027871](https://support.microsoft.com/4027871) at [support.microsoft.com](https://support.microsoft.com).

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 7410.

**Table 19. Fingerprint reader specifications**

Description	Values	
	Option 1	Option 2
Fingerprint-reader sensor technology	Capacitive	Capacitive
Fingerprint-reader sensor resolution (dpi)	363	500
Fingerprint-reader sensor pixel size	76 x 100	108 x 88

## Power adapter

The following table lists the power adapter specifications of your Latitude 7410.

**Table 20. Power adapter specifications**

Description	Option one	Option two
Type	65 W, USB Type-C adapter	90 W, USB Type-C adapter
Input voltage	100 VAC/240 VAC	100 VAC/240 VAC
Input frequency	50 Hz/60 Hz	50 Hz/60 Hz
Input current (maximum)	1.50 A	1.70 A
Output current (continuous)	3.25 A	4.5 A
Rated output voltage	19.50 VDC	19.50 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 to 158°F)	-40°C to 70°C (-40°F to 158°F)

## Battery

**Table 21. Battery specifications**

Specifications	Option 1	Option 2	Option 3	Option 4
Type:	Li-ion Polymer, 3-cell 39 WHr	Li-ion Polymer, 4-cell 52 WHr	Li-ion Polymer, 4-cell 52 WHr (LCL)	Li-ion Polymer, 6-cell 68 WHr

Specifications	Option 1	Option 2	Option 3	Option 4
Voltage (VDC)	11.4 V	7.6 V	7.6 V	11.4 V
Weight (maximum)	0.207 kg (0.46 lb)	0.257 kg (0.56 lb)	0.257 kg (0.56 lb)	0.33 kg (0.73 lb)
Dimensions:				
Height	251 mm (9.88 in.)	251 mm (9.88 in.)	251 mm (9.88 in.)	292 mm (11.49 in.)
Width	85.8 mm (3.38 in.)	85.8 mm (3.38 in.)	85.8 mm (3.38 in.)	93.7 mm (3.69)
Depth	5 mm (0.19 in.)	5 mm (0.19 in.)	5 mm (0.19 in.)	8.9 mm (0.35 in.)
Temperature range:				
Operating	<ul style="list-style-type: none"> <li>Charging: 0°C to 45°C (32°F to 113°F)</li> <li>Discharging: 0°C to 70°C (32°F to 158°F)</li> </ul>			
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)	<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>			
	<p><b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manger application. For more information on the Dell Power Manger see, <a href="https://www.dell.com/support/home/product-support/product/power-manager/docs">https://www.dell.com/support/home/product-support/product/power-manager/docs</a></p>			
Life span (approximate)	1 Year or 300 discharge/charge cycles		3 Years or 1000 discharge/charge cycles	1 Year or 300 discharge/charge cycles
ExpressCharge	Supported	Supported	Supported	Supported
User replaceable	No (FRU)	No (FRU)	No (FRU)	No (FRU)
Coin-cell battery	Main battery reserves 2% of capacity for RTC function.			
Coin-cell Operating time	68 days with 39 WHr battery			
	<p><b>NOTE:</b> Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.</p>			

**NOTE:**

For batteries with the ExpressCharge feature, the battery will typically have at least an 80% charge after about an hour of charging with the system off, and fully charged in about 2 hours with the system off.

Enabling ExpressCharge requires that both the computer and the battery used be ExpressCharge capable. If these requirements are not met, ExpressCharge will not be enabled.

## Display

The following tables lists the display specifications of your Latitude 7410.

**Table 22. 2-in-1 Display specifications**

Description	Options 1	Option 2
Display type	14.0-in. FHD SLP with Corning Gorilla Glass 6 (GG6)	14.0-in. FHD Digital Privacy SafeScreen with GG6
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):		



Description	Options 1	Option 2
Height	309.4 mm (12.18 in.)	309.4 mm (12.18 in.)
Width	173.95 mm (6.85 in.)	173.95 mm (6.85 in.)
Diagonal	355.6 mm (14.0 in.)	355.6 mm (14.0 in.)
Display-panel native resolution	1920 x 1080	1920 x 1080
Luminance (typical)	300 nt	300 nt
Megapixels	2.07	2.07
Color gamut	sRGB 100%	sRGB 100%
Pixels Per Inch (PPI)	157	157
Contrast ratio (min)	1000:1	1000:1
Response time (max)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	80/80 degrees (min)	<ul style="list-style-type: none"> <li>Sharing Mode: 80/80 degrees (min)</li> <li>Privacy Mode (brightness &lt; 40%) : 30/30 degrees (max)</li> </ul>
Vertical view angle	80/80 degrees (min)	<ul style="list-style-type: none"> <li>Sharing Mode: 80/80 degrees (min)</li> <li>Privacy Mode (brightness &lt; 40%) : 30/30 degrees (max)</li> </ul>
Pixel pitch	0.161 mm	0.161 mm
Power consumption (maximum)	1.9 W	<ul style="list-style-type: none"> <li>Sharing Mode: 2.36 W</li> <li>Privacy Mode : 2.46 W + Touch Power: 0.16 W</li> </ul>
Anti-glare vs glossy finish	Anti-reflection/Anti-Smudge coating	Anti-reflection/Anti-smudge coating
Touch options	Touch with Active Pen Support	Touch with Active Pen Support

**Table 23. Laptop display specifications**

Description	Options 1	Options 2	Options 3	Options 4	Options 5
Display type	14.0-in. High Definition (HD)	14.0-in. Full HD (FHD) Super Low Power (SLP)	14.0-in. FHD	14.0-in. FHD Digital Privacy SafeScreen	14.0-in. Ultra HD low blue light
Display-panel technology	Twisted Nematic (TN)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):					
Height	309.4 (12.18 in.)	309.4 (12.18 in.)	309.4 (12.18 in.)	309.4 (12.18 in.)	309.4 (12.18 in.)
Width	173.95 (6.85 in.)	173.95 (6.85 in.)	173.95 (6.85 in.)	173.95 (6.85 in.)	173.95 (6.85 in.)
Diagonal	355.6 (14.0 in.)	355.6 (14.0 in.)	355.6 (14.0 in.)	355.6 (14.0 in.)	355.6 (14.0 in.)
Display-panel native resolution	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Luminance (typical)	220 nt	300 nt	300 nt	300 nt	400 nt
Megapixels	1.05	2.07	2.07	2.07	8.29
Color gamut (typical)	NTSC 45%	NTSC 72%	NTSC 72%	NTSC 72%	sRGB 100%

Description	Options 1	Options 2	Options 3	Options 4	Options 5
Pixels Per Inch (PPI)	112	157	157	157	315
Contrast ratio (min)	1000:1	1000:1	1000:1	1000:1	1000:1
Response time (max)	25 ms	35 ms	35 ms	35 ms	40 ms
Refresh rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle	40/40 degrees (min)	80/80 degrees (min)	80/80 degrees (min)	<ul style="list-style-type: none"> <li>Sharing Mode: 80/80 degrees</li> <li>Privacy Mode (brightness &lt; 40%) : 30/30 degrees (max)</li> </ul>	80/80 degrees (min)
Vertical view angle	40/40 degrees (min)	80/80 degrees (min)	80/80 degrees (min)	<ul style="list-style-type: none"> <li>Sharing Mode: 80/80 degrees (min)</li> <li>Privacy Mode (brightness &lt; 40%) : 30/30 degrees (max)</li> </ul>	80/80 degrees (min)
Pixel pitch	0.2265 mm	0.161 mm	0.161 mm	0.161 mm	0.0805 mm
Power consumption (maximum)	2.4 W	2.2 W	4.1 W	<ul style="list-style-type: none"> <li>Sharing Mode: 2.3 W</li> <li>Privacy Mode (brightness &lt; 40%) : 2.4 W (max)</li> </ul>	3.75 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare
Touch options	Non-touch	Non-touch	Touch (no active pen support)	Non-touch	Non-touch

**NOTE: Low blue light 4K display is TUV certified.**

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 7410.

**Table 24. GPU—Integrated**

Controller	External display support	Memory size	Processor
Intel UHD Graphics	<ul style="list-style-type: none"> <li>Two DisplayPort over USB Type-C with Thunderbolt 3.0</li> <li>One HDMI 2.0 port</li> </ul>	Shared system memory	10 <sup>th</sup> Generation Intel Comet Lake Core i5/i7 processors

## Computer environment

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

**Table 25. Computer environment**

Description	Operating	Storage
Temperature range	Normal ambient condition 25°C and 40~50% 0°C to Normal ambient condition 25°C and 40~50% 40°C (32°F to 104°F)	-40°C to 65°C (-40°F to 149°F)

Description	Operating	Storage
Relative humidity (maximum)	Normal ambient condition 25°C and 40~50% 10% to Normal ambient condition 25°C and 40~50% 90% (non-condensing)	10% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	140 G†	160 G‡
Altitude (maximum)	0 m to 3048 m (0 ft to 10,000 ft)	0 m to 10,688 m (0 ft to 35,000 ft)

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

† Measured using a 2 ms half-sine pulse when the hard drive is in use.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

## Security

**Table 26. Security**

Feature	Specifications
Trusted Platform Module (TPM) 2.0	Integrated on the system board
Firmware TPM	Optional
Windows Hello Support	Yes, optional fingerprint on power button Optional IR camera
Cable lock	Wedge-shaped lock
Dell Smartcard Keyboard	Optional
FIPS 140-2 certification for TPM	Yes
ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification	Yes, for FPR, SC and CSC/NFC
Fingerprint Reader Only	Touch Fingerprint reader in power button tied to ControlVault 3
Contacted Smart Card and ControlVault 3	FIPS 201 Smart card reader certification/SIPR