

# XPS 17 9710

## Setup and Specifications



## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Set up your XPS 17 9710

**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:** You can charge your XPS 17 9710 by connecting the power adapter to one of the USB Type-C Thunderbolt 4 ports that are located on either side of your computer.



**NOTE:** The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

2. Finish Windows setup.

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





- Connect to a network for Windows updates.

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

- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

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

**Table 1. Locate Dell apps**

| Resources   | Description   |
|---|---|
|  | <p><b>My Dell</b></p> <p>Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.</p>  |
|  | <p><b>SupportAssist</b></p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at <a href="http://www.dell.com/serviceabilitytools">www.dell.com/serviceabilitytools</a>. Click <b>SupportAssist</b> and then, click <b>SupportAssist for Home PCs</b>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p> |
|  | <p><b>Dell Update</b></p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article <a href="http://www.dell.com/support">000149088</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>  |
|  | <p><b>Dell Digital Delivery</b></p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information about using Dell Digital Delivery, see the knowledge base article <a href="http://www.dell.com/support">000129837</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>   |

## Views of XPS 17 9710

### Left



#### 1. Security-cable slot (wedge-shaped)

Connect a security cable to prevent unauthorized movement of your computer.

#### 2. Thunderbolt 4 ports (2)

Supports USB 3.2 Gen 2, DisplayPort 1.4 (supporting up to HBR3), Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates up to 10 Gbps for USB 3.2 Gen 2 and up to 40 Gbps for Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V power output that enables faster charging.

**NOTE:** You can connect a Dell Docking Station to one of these two Thunderbolt 4 ports. For more information, see the knowledge base article [000124295](https://www.dell.com/support/000124295) at [www.dell.com/support](https://www.dell.com/support).

**NOTE:** There is a total of four Thunderbolt 4 ports on this computer. Connect the USB Type-C power adapter to only one of the four USB Type-C ports.

**NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

### Right



#### 1. Thunderbolt 4 ports (2)

Supports USB 3.2 Gen 2, DisplayPort 1.4 (supporting up to HBR3), Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates up to 10 Gbps for USB 3.2 Gen 2 and up to 40 Gbps for Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V power output that enables faster charging.

**NOTE:** You can connect a Dell Docking Station to one of these two Thunderbolt 4 ports. For more information, see the knowledge base article [000124295](https://www.dell.com/support/000124295) at [www.dell.com/support](https://www.dell.com/support).

**NOTE:** There is a total of four Thunderbolt 4 ports on this computer. Connect the USB Type-C power adapter to only one of the four USB Type-C ports.

**NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

#### 2. SD-card slot

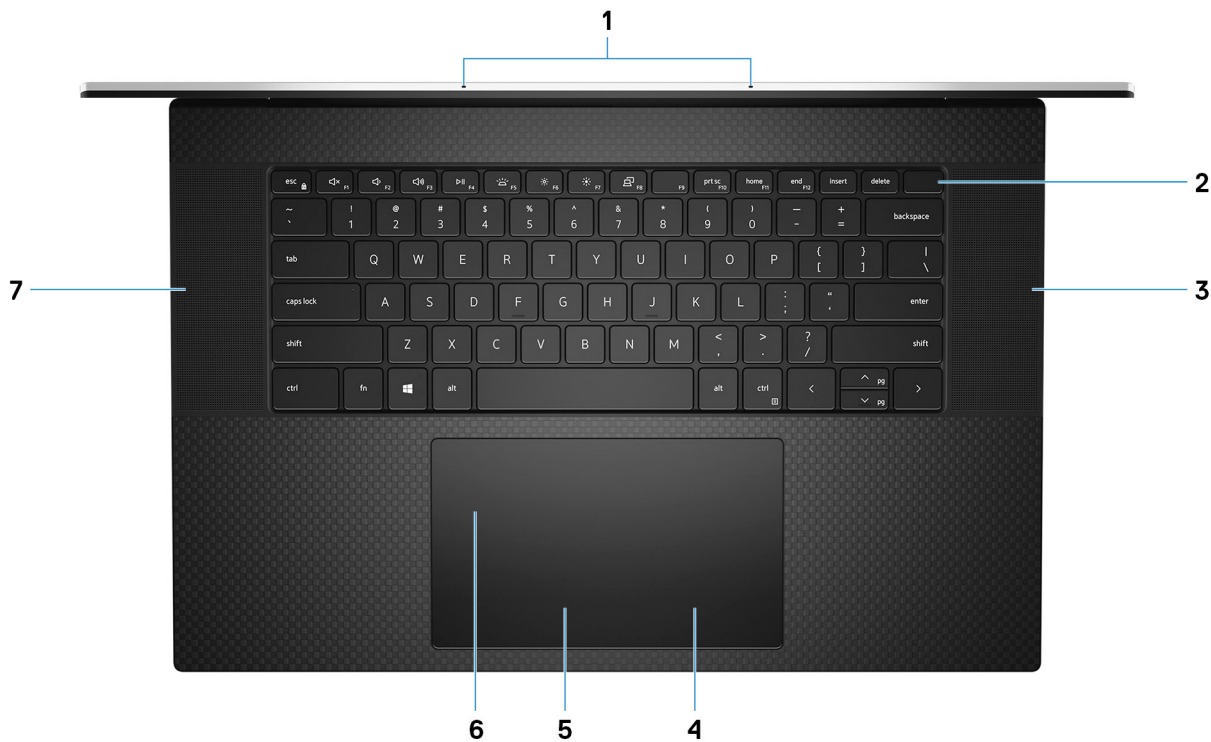
Reads from and writes to the SD card. The computer supports the following card types:

- Secure Digital (SD)
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)

### 3. Universal audio jack

Connect headphones or a headset (headphone and microphone combo).

## Top



### 1. Microphones (2)

Provide digital sound input for audio recording, voice calls, and so on.

### 2. Power button with fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 10 seconds to force shut-down the computer.

Place your finger on the power button to log in with the fingerprint reader.

**i NOTE:** You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

**i NOTE:** In Windows, Windows Hello supports a defined number of fingerprints per account. For more information about configuring your fingerprint reader with Windows Hello, see the knowledge base article [000142015](https://www.dell.com/support) at [www.dell.com/support](http://www.dell.com/support).

### 3. Right speaker

Provides audio output.

### 4. Right-click area

Press to right-click.

**i NOTE:** The right-click area is enabled when you touch the touchpad.

### 5. Left-click area

Press to left-click.

**NOTE:** The left-click area is enabled when you touch the touchpad.

## 6. Precision touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two fingers tap to right-click.

**NOTE:** The top and the sides of the touchpad—8.20 mm (0.32 in.) from the edges—are disabled. This prevents unintended movements of the mouse pointer when using the keyboard.

**NOTE:** The touchpad area of the computer is large and your palms may inadvertently touch the touchpad corners when the touchpad is in use. To prevent this, touches within the 1 cm (0.39 in.) x 1 cm (0.39 in.) corners of the touchpad are ignored if other touches are detected in the touchpad outside of these corners.

## 7. Left speaker

Provides audio output.

# Front



### 1. Infrared emitter

Emits infrared light, which enables the infrared camera to sense and track motion.

### 2. Ambient-light sensor

The sensor detects the ambient light and automatically adjusts the keyboard backlight and display brightness.

### 3. RGB-infrared camera

This combined camera supports both infrared Windows Hello facial recognition and standard RGB imaging for photos and videos.

### 4. Camera-status light

Turns on when the camera is in use.

### 5. Infrared emitter

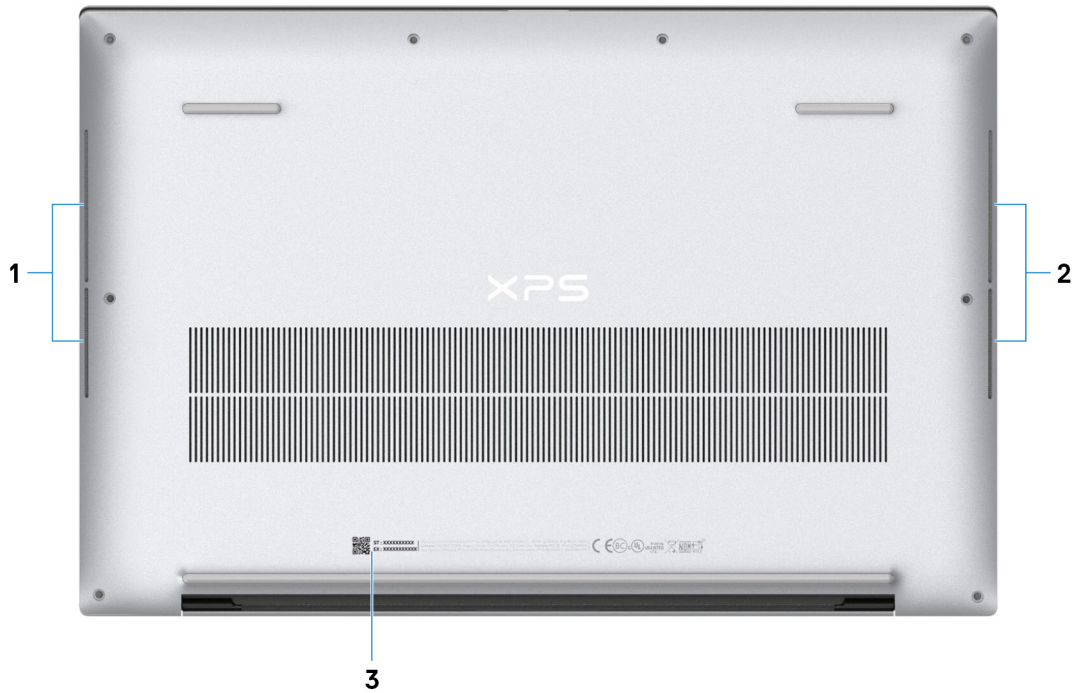


Emits infrared light, which enables the infrared camera to sense and track motion.

## 6. Battery-status light

Indicates the battery-charge status.

# Bottom



### 1. Left speaker

Provides audio output.

### 2. Right speaker

Provides audio output.

### 3. Service Tag label


The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

# Specifications of XPS 17 9710

## Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 17 9710.

**Table 2. Dimensions and weight**

| Description   | Values                      |
|---|-----------------------------|
| Height:   |                             |
| Front height  | 8.67 mm (0.34 in.)          |
| Rear height   | 13.15 mm (0.52 in.)         |
| Width   | 374.48 mm (14.74 in.)       |
| Depth   | 248.08 mm (9.77 in.)        |
| Weight<br> <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability. | 2.53 kg (5.58 lb) (maximum) |

## Processor

The following table lists the details of the processors supported by your XPS 17 9710.

**Table 3. Processor**

| Description            | Option one                                       | Option two                                       | Option three                                     | Option four                                       |
|------------------------|--|--|--|---|
| Processor type         | 11 <sup>th</sup> Generation Intel Core i5-11400H | 11 <sup>th</sup> Generation Intel Core i7-11800H | 11 <sup>th</sup> Generation Intel Core i9-11900H | 11 <sup>th</sup> Generation Intel Core i9-11980HK |
| Processor wattage      | 45 W   | 45 W   | 45 W   | 45 W  |
| Processor core count   | 6  | 8  | 8  | 8   |
| Processor thread count | 12   | 16   | 16   | 16  |
| Processor speed        | 2.70 GHz to 4.50 GHz                             | 2.30 GHz to 4.60 GHz                             | 2.50 GHz to 4.90 GHz                             | 2.60 GHz to 5 GHz                                 |
| Processor cache        | 12 MB  | 24 MB  | 24 MB  | 24 MB   |
| Integrated graphics    | Intel UHD Graphics                               | Intel UHD Graphics                               | Intel UHD Graphics                               | Intel UHD Graphics                                |

# Chipset

The following table lists the details of the chipset supported by your XPS 17 9710.

**Table 4. Chipset**

| Description    | Values  |
|----------------|---|
| Chipset        | Intel WM590                                     |
| Processor      | 11 <sup>th</sup> Generation Intel Core i5/i7/i9 |
| DRAM bus width | 64-bit  |
| Flash EPROM    | 32 MB   |
| PCIe bus       | Up to PCIe Gen 4.0                              |

# Operating system

Your XPS 17 9710 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit

# Memory

The following table lists the memory specifications of your XPS 17 9710.


**Table 5. Memory specifications**

| Description                     | Values   |
|---------------------------------|--|
| Memory slots                    | Two-SODIMM slots   |
| Memory type                     | DDR4   |
| Memory speed                    | 3200 MHz   |
| Maximum memory configuration    | 64 GB  |
| Minimum memory configuration    | 8 GB   |
| Memory size per slot            | 4 GB, 8 GB, 16 GB, or 32 GB  |
| Memory configurations supported | <ul style="list-style-type: none"><li>• 8 GB, 2 x 4 GB, DDR4, 3200 MHz, dual-channel</li><li>• 16 GB, 2 x 8 GB, DDR4, 3200 MHz, dual-channel</li><li>• 32 GB, 2 x 16 GB, DDR4, 3200 MHz, dual-channel</li><li>• 64 GB, 2 x 32 GB, DDR4, 3200 MHz, dual-channel</li></ul> |

## Internal slots

The following table lists the internal slots of your XPS 17 9710.





**Table 6. Internal slots**

| Description | Values  |
|-------------|---|
| M.2         | Two M.2 slots for M.2 2230/2280 solid-state drives<br> <b>NOTE:</b> To learn more about the features of different types of M.2 cards, see the knowledge base article 000144170 at <a href="http://www.dell.com/support">www.dell.com/support</a> . |

## External ports


The following table lists the external ports on your XPS 17 9710.

**Table 7. External ports**

| Description         | Values  |
|---------------------|---|
| USB ports           | Four Thunderbolt 4 ports<br> <b>NOTE:</b> Connect the USB Type-C power adapter to only one of the four Thunderbolt 4 ports.<br> <b>NOTE:</b> You can connect a Dell Docking Station to this port. For more information, see the knowledge base article 000124295 at <a href="http://www.dell.com/support">www.dell.com/support</a> . |
| Audio port          | One universal audio jack  |
| Video port/ports    | Four Thunderbolt 4 ports<br> <b>NOTE:</b> A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.   |
| Media-card reader   | One SD-card slot  |
| Power-adaptor port  | DC-IN through one of the four Thunderbolt 4 ports<br> <b>NOTE:</b> You can connect a Dell Docking Station to this port. For more information, see the knowledge base article 000124295 at <a href="http://www.dell.com/support">www.dell.com/support</a> .   |
| Security-cable slot | Security-cable slot (wedge-shaped)  |

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your XPS 17 9710.

 **NOTE:** The wireless module is integrated on the system board.

**Table 8. Wireless module specifications**

| Description   | Values          |
|---------------|-----------------|
| Model number  | Killer 1650s    |
| Transfer rate | Up to 2400 Mbps |

**Table 8. Wireless module specifications (continued)**

| Description               | Values   |
|---------------------------|--|
| Frequency bands supported | 2.40 GHz/5 GHz   |
| Wireless standards        | <ul style="list-style-type: none"><li>• Wi-Fi 802.11a/b/g</li><li>• Wi-Fi 4 (WiFi 802.11n)</li><li>• Wi-Fi 5 (WiFi 802.11ac)</li><li>• Wi-Fi 6 (WiFi 802.11ax)</li></ul> |
| Encryption                | <ul style="list-style-type: none"><li>• 64-bit/128-bit WEP</li><li>• AES-CCMP</li><li>• TKIP</li></ul>   |
| Bluetooth                 | Bluetooth 5.1  |

## Audio

The following table lists the audio specifications of your XPS 17 9710.

**Table 9. Audio specifications**

| Description                | Values                    |        |
|----------------------------|---------------------------|--------|
| Audio controller           | Realtek ALC711-CG         |        |
| Stereo conversion          | Supported                 |        |
| Internal audio interface   | SoundWire                 |        |
| External audio interface   | Universal audio jack      |        |
| Number of speakers         | 2-way speaker             |        |
| Internal-speaker amplifier | Realtek ALC1309D          |        |
| External volume controls   | Supported                 |        |
| Speaker output:            |                           |        |
|                            | Average speaker output    | 2 W    |
|                            | Peak speaker output       | 2.50 W |
| Subwoofer output           | Supported                 |        |
| Microphone                 | Digital-array microphones |        |

## Storage

This section lists the storage options on your XPS 17 9710.

Your XPS 17 9710 supports one of the following storage options:

- One M.2 2230 solid-state drive (requires an M.2 2230 solid-state drive thermal bracket)
- One M.2 2280 solid-state drive
- Two M.2 2280 solid-state drives
- One M.2 2230 solid-state drive (requires an M.2 2230 solid-state drive thermal bracket) and one M.2 2280 solid-state drive

**Table 10. Storage specifications**

| Storage type               | Interface type                   | Capacity     |
|----------------------------|----------------------------------|--------------|
| M.2 2230 solid-state drive | PCIe NVMe Gen3 x4, up to 32 Gbps | Up to 256 GB |
| M.2 2280 solid-state drive | PCIe NVMe Gen3 x4, up to 32 Gbps | Up to 1 TB   |
| M.2 2280 solid-state drive | PCIe NVMe Gen4 x4, up to 64 Gbps | Up to 4 TB   |

## Media-card reader

The following table lists the media cards supported by your XPS 17 9710.

**Table 11. Media-card reader specifications**

| Description  | Values  |
|--|---|
| Media-card type  | One SD-card slot  |
| Media-cards supported  | <ul style="list-style-type: none"> <li>Secure Digital (SD)</li> <li>Secure Digital High Capacity (SDHC)</li> <li>Secure Digital Extended Capacity (SDXC)</li> </ul> |
| <p><b>NOTE:</b> The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.</p> |   |

## Keyboard

The following table lists the keyboard specifications of your XPS 17 9710.

**Table 12. Keyboard specifications**

| Description        | Values   |
|--------------------|--|
| Keyboard type      | Standard backlit keyboard  |
| Keyboard layout    | QWERTY   |
| Number of keys     | <ul style="list-style-type: none"> <li>United States and Canada: 79 keys</li> <li>United Kingdom: 80 keys</li> <li>Japan: 83 keys</li> </ul>   |
| Keyboard size      | X = 19.05 mm key pitch<br>Y = 18.05 mm key pitch   |
| Keyboard shortcuts | <p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p><b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.</p> <p>For more information, see <a href="#">Keyboard shortcuts</a>.</p> |

# Camera

The following table lists the camera specifications of your XPS 17 9710.

**Table 13. Camera specifications**

| Description                 |                 | Values                    |
|-----------------------------|-----------------|---------------------------|
| Number of cameras           |                 | One                       |
| Camera type                 |                 | HD RGB IR camera          |
| Camera location             |                 | Front                     |
| Camera sensor type          |                 | CMOS-sensor technology    |
| Camera resolution:          |                 |                           |
|                             | Still image     | 0.92 megapixel            |
|                             | Video           | 1280 x 720 (HD) at 30 fps |
| Infrared camera resolution: |                 |                           |
|                             | Still image     | 0.20 megapixel            |
|                             | Video           | 576 x 360 (VGA) at 15 fps |
| Diagonal viewing angle:     |                 |                           |
|                             | Camera          | 78.5 degrees              |
|                             | Infrared camera | 78.5 degrees              |

# Touchpad

The following table lists the touchpad specifications of your XPS 17 9710.


**Table 14. Touchpad specifications**

| Description          |            | Values   |
|----------------------|------------|--|
| Touchpad resolution: |            |  |
|                      | Horizontal | 4655   |
|                      | Vertical   | 2731   |
| Touchpad dimensions: |            |  |
|                      | Horizontal | 150 mm (5.91 in.)  |
|                      | Vertical   | 89 mm (3.50 in.)   |
| Touchpad gestures    |            | For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article <a href="https://support.microsoft.com/4027871">4027871</a> at <a href="https://support.microsoft.com">support.microsoft.com</a> . |

# Power adapter

The following table lists the power adapter specifications of your XPS 17 9710.

**Table 15. Power adapter specifications**

| Description  | Option one  | Option two  |
|--|---|---|
| Type   | 90 W USB Type-C   | 130 W USB Type-C  |
| 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  | 1.80 A  |
| Output current (continuous)  | <ul style="list-style-type: none"> <li>● 20 V/4.50 A</li> <li>● 15 V/3 A</li> <li>● 9 V/3 A</li> <li>● 5 V/3 A</li> </ul> | <ul style="list-style-type: none"> <li>● 20 V/6.5 A</li> <li>● 5 V/1 A</li> </ul> |
| Rated output voltage   | <ul style="list-style-type: none"> <li>● 20 VDC</li> <li>● 15 VDC</li> <li>● 9 VDC</li> <li>● 5 VDC</li> </ul>            | <ul style="list-style-type: none"> <li>● 20 VDC</li> <li>● 5 VDC</li> </ul>       |
| 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)  |
|  <b>CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</b> |   |   |

# Battery


The following table lists the battery specifications of your XPS 17 9710.

**Table 16. Battery specifications**

| Description              | Option one                         | Option two                         |
|--------------------------|------------------------------------|------------------------------------|
| Battery type             | 3-cell (56 Wh) "smart" lithium-ion | 6-cell (97 Wh) "smart" lithium-ion |
| Battery voltage          | 11.40 VDC                          | 11.40 VDC                          |
| Battery weight (maximum) | 0.27 kg (0.60 lb)                  | 0.385 kg (0.85 lb)                 |
| Battery dimensions:      |                                    |                                    |
| Height                   | 8.45 mm (0.33 in.)                 | 8.45 mm (0.33 in.)                 |
| Width                    | 69.70 mm (2.74 in.)                | 69.70 mm (2.74 in.)                |
| Depth                    | 330.65 mm (13.02 in.)              | 330.65 mm (13.02 in.)              |
| Temperature range:       |                                    |                                    |



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

| Description  |           | Option one   | Option two   |
|--|-----------|--|--|
|  | Operating | <ul style="list-style-type: none"> <li>Charge: 0°C to 50°C (32°F to 122°F)</li> <li>Discharge: 0°C to 60°C (32°F to 140°F)</li> </ul>  | <ul style="list-style-type: none"> <li>Charge: 0°C to 50°C (32°F to 122°F)</li> <li>Discharge: 0°C to 60°C (32°F to 140°F)</li> </ul>  |
|  | Storage   | -20°C to 60°C (-4°F to 140°F)  | -20°C to 60°C (-4°F to 140°F)  |
| Battery operating time   |           | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.  | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.  |
| Battery charging time (approximate)<br>ⓘ <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on <a href="http://www.dell.com">www.dell.com</a> . |           | <ul style="list-style-type: none"> <li>Standard charge, 0°C to 50°C (32°F to 122°F): 4 hours</li> <li>ExpressCharge, 0°C to 15°C (32°F to 59°F): 4 hours</li> <li>ExpressCharge, 16°C to 45°C (60.80°F to 113°F): 2 hours</li> <li>ExpressCharge, 46°C to 50°C (114.80°F to 122°F): 3 hours</li> </ul> | <ul style="list-style-type: none"> <li>Standard charge, 0°C to 50°C (32°F to 122°F): 4 hours</li> <li>ExpressCharge, 0°C to 15°C (32°F to 59°F): 4 hours</li> <li>ExpressCharge, 16°C to 45°C (60.80°F to 113°F): 2 hours</li> <li>ExpressCharge, 46°C to 50°C (114.80°F to 122°F): 3 hours</li> </ul> |
| Coin-cell battery  |           | Not supported  | Not supported  |
|  <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.              |           |  |  |

## Display

The following table lists the display specifications of your XPS 17 9710.

**Table 17. Display specifications**

| Description                             |          | Option one                  | Option two                              |
|---|----------|-----------------------------|---|
| Display type                            |          | Full High Definition (FHD+) | Ultra High Definition (UHD+)            |
| Display-panel technology                |          | Wide-Viewing Angle (WVA)    | Wide-Viewing Angle (WVA)                |
| Display-panel dimensions (active area): |          |                             |   |
|   | Height   | 366.34 mm (14.42 in.)       | 366.34 mm (14.42 in.)                   |
|   | Width    | 228.96 mm (9.01 in.)        | 228.96 mm (9.01 in.)                    |
|   | Diagonal | 432 mm (17 in.)             | 432 mm (17 in.)                         |
| Display-panel native resolution         |          | 1920 x 1200                 | 3840 x 2400                             |
| Luminance (typical)                     |          | 500 nits                    | 500 nits                                |
| Megapixels                              |          | 2.3                         | 9.2                                     |
| Color gamut                             |          | sRGB 100% (minimum)         | Adobe 100% min; DCI-P3 99% typ, 95% min |
| Pixels Per Inch (PPI)                   |          | 133                         | 266                                     |

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

| Description                 | Option one     | Option two      |
|-----------------------------|----------------|-----------------|
| Contrast ratio (typical)    | 1650:1         | 1600:1          |
| Response time (maximum)     | 35 ms          | 35 ms           |
| Refresh rate                | 60 Hz          | 60 Hz           |
| Horizontal view angle       | +/- 85 degrees | +/- 85 degrees  |
| Vertical view angle         | +/- 85 degrees | +/- 85 degrees  |
| Pixel pitch                 | 0.1908 mm      | 0.0954 mm       |
| Power consumption (maximum) | 5.06 W         | 13.73 W         |
| Anti-glare vs glossy finish | Anti-glare     | Anti-reflective |
| Touch options               | No             | Yes             |

## Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 17 9710.

**Table 18. Fingerprint reader specifications**

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

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your XPS 17 9710.

**Table 19. GPU—Integrated**

| Controller         | Memory size          | Processor                                       |
|--------------------|----------------------|---|
| Intel UHD Graphics | Shared system memory | 11 <sup>th</sup> Generation Intel Core i5/i7/i9 |

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your XPS 17 9710.

**Table 20. GPU—Discrete**

| Controller                    | Memory size | Memory type |
|-------------------------------|-------------|-------------|
| NVIDIA GeForce RTX 3050       | 4 GB        | GDDR6       |
| NVIDIA GeForce RTX 3060 Max-Q | 6 GB        | GDDR6       |


# Operating and storage environment

This table lists the operating and storage specifications of your XPS 17 9710.

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

**Table 21. 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% (noncondensing)                  | 0% to 95% (noncondensing)                    |
| Vibration (maximum)*        | 0.66 GRMS                                   | 1.30 GRMS                                    |
| Shock (maximum)             | 140 G†                                      | 160 G†                                       |
| Altitude range              | -15.2 m to 3,048 m (-49.87 ft to 10,000 ft) | -15.2 m to 10,668 m (-49.87 ft to 35,000 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 when the hard drive is in use.

## ComfortView Plus

 **WARNING: Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.**

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

The display on this computer is designed to minimize blue light and complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light mode is enabled at the factory, so no further configuration is necessary.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

## Keyboard shortcuts of XPS 17 9710

**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys that are 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 that is 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 that is 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 multimedia 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 (see the table below).

However, if the function keys **F1-F12** are needed for specific software applications, multimedia functionality can be disabled by pressing **fn + esc**. Subsequently, multimedia 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 22. List of keyboard shortcuts**

| Function key | Re-defined key (for multi-media control) | Behavior  |
|--------------|--|---|
| F1           | fn + F1                                  | Mute audio  |
| F2           | fn + F2                                  | Decrease volume   |
| F3           | fn + F3                                  | Increase volume   |
| F4           | fn + F4                                  | Play/Pause  |
| F5           | fn + F5                                  | Click keyboard backlight<br><b>NOTE:</b> Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight |
| F6           | fn + F6                                  | Decrease brightness   |
| F7           | fn + F7                                  | Increase brightness   |
| F8           | fn + F8                                  | Switch to external display  |
| F10          | fn + F10                                 | Print screen  |
| F11          | fn + F11                                 | Home  |
| F12          | fn + F12                                 | End   |

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

**Table 23. List of keyboard shortcuts**

| Function key | Behavior              |
|--------------|-----------------------|
| fn + B       | Pause/Break           |
| fn + S       | Toggle scroll lock    |
| fn + R       | System request        |
| fn + ctrl    | Open application menu |

**Table 23. List of keyboard shortcuts (continued)**



| <b>Function key</b> | <b>Behavior</b>    |
|---------------------|--------------------|
| fn + esc            | Toggle fn-key lock |

# 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 24. Self-help resources**

| Self-help resources   | Resource location  |
|---|--|
| Information about Dell products and services  | <a href="http://www.dell.com">www.dell.com</a>   |
| My Dell app   |   |
| Tips  |   |
| Contact Support   | In Windows search, type <code>Contact Support</code> , and press Enter.  |
| Online help for operating system  | <a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a>   |
| Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents. | Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at <a href="http://www.dell.com/support">www.dell.com/support</a> .<br><br>For more information on how to find the Service Tag for your computer, see <a href="#">Locate the Service Tag on your computer</a> . |
| Dell knowledge base articles for a variety of computer concerns   | <ol style="list-style-type: none"> <li>1. Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</li> <li>2. On the menu bar at the top of the Support page, select <b>Support &gt; Knowledge Base</b>.</li> <li>3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.</li> </ol>  |

## Contacting Dell

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

 **NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

 **NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.