

Precision 5570

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.

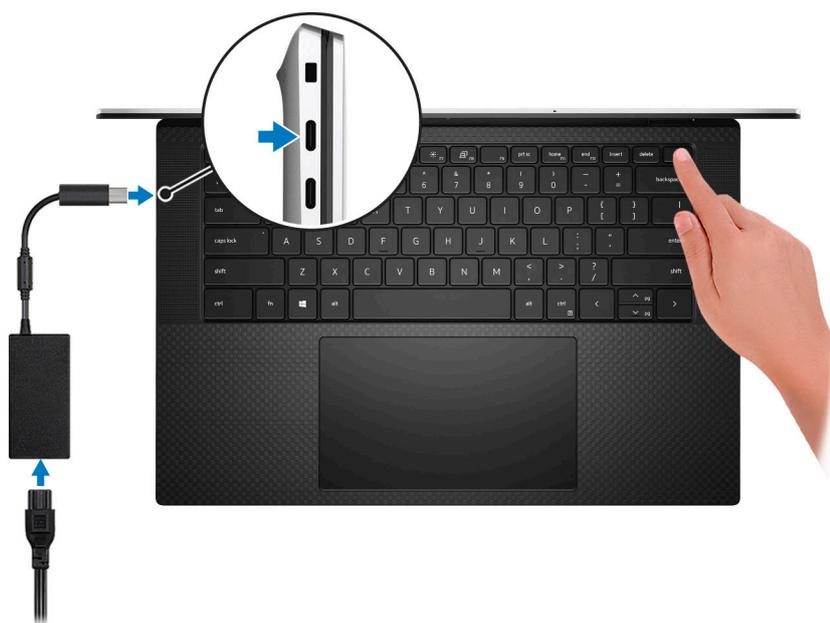
| | |
|---|-----------|
| Chapter 1: Set up your Precision 5570..... | 4 |
| Chapter 2: Views of Precision 5570..... | 6 |
| Right..... | 6 |
| Left..... | 6 |
| Top..... | 7 |
| Front..... | 8 |
| Bottom..... | 9 |
| Battery Charge and Status LED | 10 |
| Chapter 3: Specifications of Precision 5570..... | 11 |
| Dimensions and weight..... | 11 |
| Processor..... | 11 |
| Chipset..... | 12 |
| Operating system..... | 12 |
| Memory..... | 12 |
| Internal slots..... | 13 |
| External ports..... | 13 |
| Wireless module..... | 13 |
| Audio..... | 14 |
| Storage..... | 14 |
| Media-card reader..... | 15 |
| Keyboard..... | 15 |
| Camera..... | 16 |
| Touchpad..... | 16 |
| Power adapter..... | 17 |
| Battery..... | 17 |
| Display..... | 18 |
| Fingerprint reader..... | 19 |
| Sensors..... | 19 |
| GPU—Integrated..... | 19 |
| GPU—Discrete..... | 19 |
| Multiple display support matrix..... | 20 |
| Hardware security..... | 20 |
| Operating and storage environment..... | 21 |
| Chapter 4: Dell low blue light display..... | 22 |
| Chapter 5: Keyboard shortcuts of Precision 5570..... | 23 |
| Chapter 6: Getting help and contacting Dell..... | 25 |

Set up your Precision 5570

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 computer by connecting the power adapter to one of the Thunderbolt 4 (USB4) Type-C ports or to the USB 3.2 Gen 2 Type-C port on 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. Complete the operating system setup.

Table 1. Operating system setup

| Operating system | Setup instructions |
|------------------|--|
| Windows | <p>Follow the on-screen instructions to complete the setup:</p> <ul style="list-style-type: none"> • Connect to a network for Windows updates. <ul style="list-style-type: none"> 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. |
| Ubuntu | <p>Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base article https://www.dell.com/support/kbdoc/000131676/how-to-configure-ubuntu-linux-after-it-s-first-installed-on-your-dell-pc at https://www.dell.com/support.</p> <p>NOTE: All Dell apps are not available on Ubuntu.</p> |

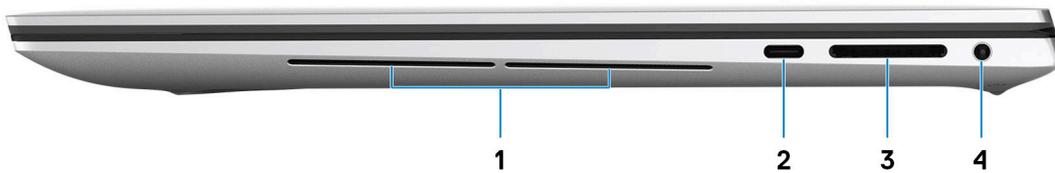
3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 2. 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>Dell SupportAssist Pre-boot System Performance Check Dell SupportAssist Preboot System Performance Check is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you must make computer updates. Dell SupportAssist Pre-boot System Performance Check proactively checks the health of your computer hardware and software. When an issue is detected, the necessary computer state information is sent to Dell to begin troubleshooting. Dell SupportAssist Pre-boot System Performance Check is pre-installed on most of the Dell devices running Windows operating system. For more information, see Dell SupportAssist Pre-boot System Performance Check for Home PCs User Guide on https://www.dell.com/serviceabilitytools.</p> <p> NOTE: In Dell SupportAssist Pre-boot System Performance Check, click the warranty expiry date to renew or upgrade your warranty.</p> |
|  | <p>Dell Update Dell Update performs critical fixes and updates latest available device on your computer. For more information about using Dell Update, see the knowledge base article https://www.dell.com/support/kbdoc/en-in/000149088/dell-update-overview-and-common-questions at https://www.dell.com/support/home/.</p> |
|  | <p>Dell Digital Delivery Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article https://www.dell.com/support/kbdoc/000128904/how-do-i-use-dell-digital-delivery at https://www.dell.com/support/home/.</p> |

Views of Precision 5570

Right



1. Right woofer

Enhances low-frequency audio output.

2. USB 3.2 Gen 2 (Type-C) port with DisplayPort and Power Delivery

Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer rate of up to 10 Gbps for USB 3.2 Gen 2x1 port.

Supports DisplayPort and also enables you to connect an external display using a display adapter.

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

Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/1.50 A power output

3. SD-card slot

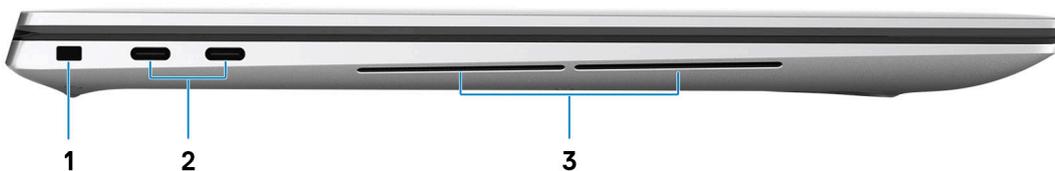
Reads from and writes to the SD card. The computer supports the following card types:

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

4. Headset port

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

Left



1. Security-cable slot (wedge-shaped)

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

2. Thunderbolt 4 (USB4) Type-C port with Power Delivery (2)

Supports USB4 Gen 3x2, DisplayPort 1.4a and Thunderbolt 4. Enables you to connect to an external display using a display adapter. Provides data transfer rates up to 40 Gbps for USB4 Gen 3x2 Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/ 3 A power output that enables faster charging.

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

NOTE: A 40 Gbps-certified cable is required to achieve the maximum performance of 40 Gbps.

NOTE: Thunderbolt 4 supports two 4K displays or one 8K display.

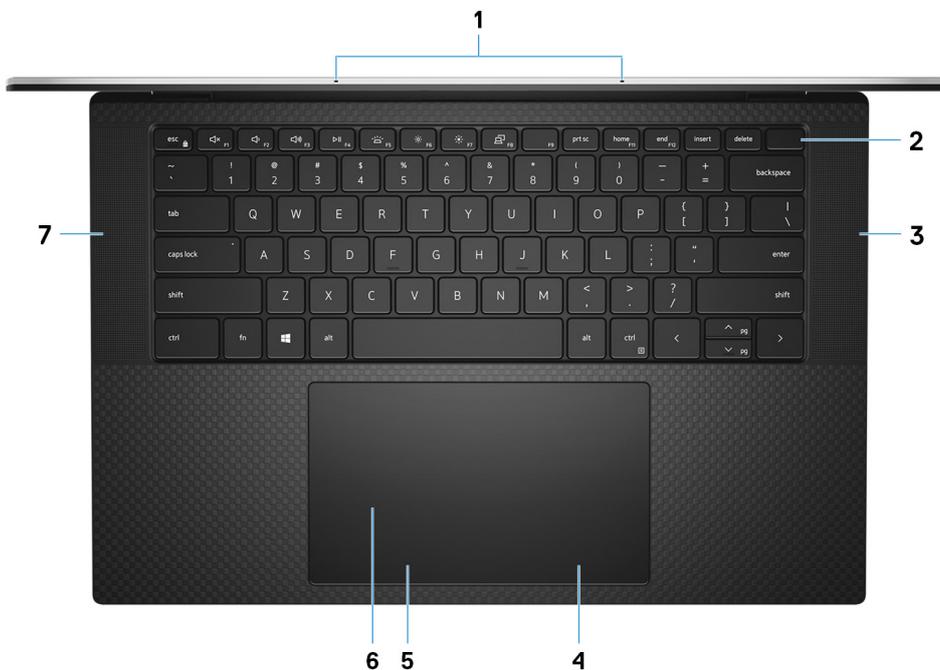
NOTE: USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

NOTE: You can connect a Dell docking station to the Thunderbolt 4 ports. For more information, see the knowledge base article [000124295](https://www.dell.com/support/000124295) at www.dell.com/support.

3. Left woofer

Enhances low-frequency audio output.

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.

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

NOTE: In Windows, Windows Hello supports a defined number of fingerprints per account. For more information about configuring your fingerprint reader with Windows Hello, search in the Knowledge Base Resource at www.dell.com/support.

3. Right speaker

Provides audio output.

4. Right-click area

Press to right-click.

5. Left-click area

Press to left-click.

6. Touchpad

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

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.

Solid white—Power adapter is connected and the battery has more than 5% charge.

Amber—Computer is running on battery and the battery has less than 5% charge.

Off—Power adapter is disconnected or the battery is fully charged.

Bottom



1

1. Service Tag and regulatory labels

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. The regulatory label contains regulatory information of your computer.

Battery Charge and Status LED

Table 3. Battery Charge and Status LED Indicator

| 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 Precision 5570

Dimensions and weight

The following table lists the height, width, depth, and weight of your Precision 5570.

Table 4. Dimensions and weight

| Description | Values |
|---|-----------------------|
| Height: | |
| Front height | 18.54 mm (0.73 in.) |
| Rear height | 11.65 mm (0.46 in.) |
| Width | 344.40 mm (13.56 in.) |
| Depth | 230.14 mm (9.06 in.) |
| Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability. | 2.10 kg (4.62 lb) |

Processor

The following table lists the details of the processors supported by your Precision 5570.

Table 5. Processor

| Description | Option one | Option two | Option three | Option four |
|------------------------|--|--|--|--|
| Processor type | 12 th Generation Intel Core i5-12600H | 12 th Generation Intel Core i7-12700H | 12 th Generation Intel Core i7-12800H | 12 th Generation Intel Core i9-12900H |
| Processor wattage | 45 W | 45 W | 45 W | 45 W |
| Processor core count | 12 | 14 | 14 | 14 |
| Processor thread count | 16 | 20 | 20 | 20 |
| Processor speed | Up to 4.50 GHz | Up to 4.70 GHz | Up to 4.80 GHz | Up to 5 GHz |
| Processor cache | 18 MB | 24 MB | 24 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 |

Chipset

The following table lists the details of the chipset supported by your Precision 5570.

Table 6. Chipset

| Description | Values |
|----------------|---|
| Chipset | Intel 600 Series |
| Processor | 12 th Generation Intel Core i5/i7/i9 |
| DRAM bus width | 64-bit |
| Flash EPROM | 64 MB |
| PCIe bus | Up to PCIe Gen 4 |

Operating system

Your Precision 5570 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Ubuntu 20.04 LTS, 64-bit
- Red Hat Enterprise Linux (RHEL v8.6)

Memory

The following table lists the memory specifications of your Precision 5570.

Table 7. Memory specifications

| Description | Values |
|---------------------------------|--|
| Memory slots | Two-SODIMM slots |
| Memory type | DDR5 |
| Memory speed | 4800 MHz |
| Maximum memory configuration | 64 GB |
| Minimum memory configuration | 8 GB |
| Memory size per slot | 8 GB, 16 GB, 32 GB |
| Memory configurations supported | <ul style="list-style-type: none">• 8 GB, 1 x 8 GB, DDR5, 4800 MHz• 16 GB, 2 x 8 GB, DDR5, 4800 MHz, dual-channel• 32 GB, 2 x 16 GB, DDR5, 4800 MHz, dual-channel• 64 GB, 2 x 32 GB, DDR5, 4800 MHz, dual-channel |

Internal slots

The following table lists the internal slots of your Precision 5570.

Table 8. Internal slots

| Description | Values |
|-------------|---|
| M.2 | Two M.2 2230/2280 slots for solid-state drive  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 . |

External ports

The following table lists the external ports on your Precision 5570.

Table 9. External ports

| Description | Values |
|---------------------|--|
| USB ports | <ul style="list-style-type: none">• One USB 3.2 Gen 2 (Type-C) port with DisplayPort Alt Mode• Two Thunderbolt 4 (USB4) Type-C ports with Power Delivery  NOTE: Connect the power adapter (USB Type-C) to one of the three USB Type-C ports. |
| Audio port | One headset (headphone and microphone combo) port |
| Video port/ports | USB Type-C port with DisplayPort Alt mode and Thunderbolt 4 |
| Media-card reader | One SD-card slot |
| Power-adaptor port | DC-IN through one of the three USB Type-C ports |
| Security-cable slot | 1 wedge-shaped lock slot |

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Precision 5570.

Table 10. Wireless module specifications

| Description | Values |
|---------------------------|---|
| Model number | Intel AX211 |
| Transfer rate | Up to 2400 Mbps |
| Frequency bands supported | 2.4 GHz/ 5 GHz |
| Wireless standards | <ul style="list-style-type: none">• WiFi 802.11a/b/g• Wi-Fi 4 (WiFi 802.11n)• Wi-Fi 5 (WiFi 802.11ac)• Wi-Fi 6 (WiFi 802.11ax) |

Table 10. Wireless module specifications (continued)

| Description | Values |
|-------------|--|
| Encryption | <ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP |
| Bluetooth | Bluetooth 5.2 |

Audio

The following table lists the audio specifications of your Precision 5570.

Table 11. 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 | Two | |
| Internal-speaker amplifier | Supported | |
| External volume controls | Keyboard shortcut controls | |
| Speaker output: | | |
| | Average speaker output | Tweeters (2 x 2 Watt); Woofers (2 x 2 Watt) |
| | Peak speaker output | 2.5 Watt x 4 = 10 Watt |
| Subwoofer output | Supported | |
| Microphone | Digital-array microphones | |

Storage

This section lists the storage options on your Precision 5570.

Your Precision 5570 supports one of the following storage configurations:

- One M.2 2230 solid-state drive and one M.2 2280 solid-state drive
- Two M.2 2280 solid-state drives

Table 12. Storage specifications

| Storage type | Interface type | Capacity |
|----------------------------|---------------------------------------|--------------|
| M.2 2230 solid-state drive | PCIe Gen3.0x4 NVMe, up to 32 Gbps | Up to 256 GB |
| M.2 2230 solid-state drive | PCIe Gen4.0x4 NVMe, up to 64 Gbps | Up to 256 GB |
| M.2 2280 solid-state drive | PCIe Gen3.0x4 NVMe SED, up to 32 Gbps | Up to 1 TB |

Table 12. Storage specifications (continued)

| Storage type | Interface type | Capacity |
|----------------------------|-----------------------------------|------------|
| M.2 2280 solid-state drive | PCIe Gen4.0x4 NVMe, up to 64 Gbps | Up to 4 TB |

Media-card reader

The following table lists the media cards supported by your Precision 5570.

Table 13. Media-card reader specifications

| Description | Values |
|--|---|
| Media-card type | One SD card slot |
| Media-cards supported | <ul style="list-style-type: none"> Secure Digital (SD) Secure Digital High Capacity (SDHC) Secure Digital Extended Capacity (SDXC) |
| <p>NOTE: 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 Precision 5570.

Table 14. Keyboard specifications

| Description | Values |
|--------------------|--|
| Keyboard type | Standard 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 | <p>X=19.05 mm key pitch</p> <p>Y=18.05 mm key pitch</p> |
| 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> <p>For more information, see Keyboard shortcuts.</p> |

Camera

The following table lists the camera specifications of your Precision 5570.

Table 15. Camera specifications

| Description | | Values |
|-----------------------------|-----------------|---------------------------|
| Number of cameras | | One |
| Camera type | | HD RGB Camera |
| Camera location | | Front camera |
| Camera sensor type | | CMOS-sensor technology |
| Camera resolution: | | |
| | Still image | 0.92 megapixel |
| | Video | 1280 x 720 (HD) at 30 fps |
| Infrared camera resolution: | | |
| | Still image | 0.20 megapixel |
| | Video | 576 x 360 (VGA) at 15 fps |
| Diagonal viewing angle: | | |
| | Camera | 78.50 degrees |
| | Infrared camera | 78.50 degrees |

Touchpad

The following table lists the touchpad specifications of your Precision 5570.

Table 16. Touchpad specifications

| Description | | Values |
|----------------------|------------|--|
| Touchpad resolution: | | |
| | Horizontal | 1770 |
| | Vertical | 1039 |
| Touchpad dimensions: | | |
| | Horizontal | 150.90 mm (5.94 in.) |
| | Vertical | 90 mm (3.54 in.) |
| Touchpad gestures | | For more information about touchpad 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 Precision 5570.

Table 17. 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) | 4.50 A | 6.50 A |
| Rated output voltage | 20 VDC | 20 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) |
|  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 Precision 5570.

Table 18. Battery specifications

| Description | Option one | Option two |
|--------------------------|---|---|
| Battery type | 3-cell, 56 Wh "smart" lithium-ion | 6-cell, 86 Wh "smart" lithium-ion |
| Battery voltage | 11.40 VDC | 11.40 VDC |
| Battery weight (maximum) | 0.26 kg (0.57 lb) | 0.34 kg (0.75 lb) |
| Battery dimensions: | | |
| Height | 77.70 mm (3.06 in.) | 77.70 mm (3.06 in.) |
| Width | 295.20 mm (11.62 in.) | 295.20 mm (11.62 in.) |
| Depth | 7.56 mm (0.30 in.) | 7.56 mm (0.30 in.) |
| Temperature range: | | |
| Operating | 0°C to 70°C (32°F to 158°F) | 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) |
| 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. |

Table 18. Battery specifications (continued)

| Description | Option one | Option two |
|---|--|---|
| 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 on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com/ | 2hr (Express charge), 3hr (Standard charge) hours (when the computer is off) | 2hr (Express charge), 3hr (Standard charge) hours (when the computer is off) |
| Coin-cell battery | Not supported | Not supported |

Display

The following table lists the display specifications of your Precision 5570.

Table 19. Display specifications

| Description | Option one | Option two |
|---|-----------------------------|-------------------------------------|
| Display type | Full High Definition (FHD+) | WLED UHD+ Touch |
| Display-panel technology | Wide Viewing Angle (WVA) | Wide Viewing Angle (WVA) |
| Display-panel dimensions (active area): | | |
| Height | 210.24 mm (8.28 in.) | 210.24 mm (8.28 in.) |
| Width | 336.38 mm (13.24 in.) | 336.38 mm (13.24 in.) |
| Diagonal | 396.24 mm (15.6 in.) | 396.24 mm (15.6 in.) |
| Display-panel native resolution | 1920 x 1200 | 3840 x 2400 |
| Luminance (typical) | 500 nits | 500 nits |
| Megapixels | 2.30 | 9.20 |
| Color gamut | sRGB 100% | 100% AdobeRGB, 94% DCI-P3 |
| Pixels Per Inch (PPI) | 145 | 290 |
| Contrast ratio (min.) | 1650:1 (typical) | 1600:1 (typical) |
| Response time (max.) | 35 ms | 60 ms |
| Refresh rate | 60 Hz | 60 Hz |
| Horizontal view angle | +/- 89 degrees | +/- 89 degrees |
| Vertical view angle | +/- 89 degrees | +/- 89 degrees |
| Pixel pitch | 0.18 mm | 0.09 mm |
| Power consumption (maximum) | 4.41 W | 10.4 W |
| Anti-glare vs glossy finish | Anti-glare | Anti-reflective |
| Touch options | No | Touch support, with 10 touch points |

Fingerprint reader

The following table lists the fingerprint-reader specifications of your Precision 5570.

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

Table 20. Fingerprint reader specifications

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

Sensors

Table 21. Sensors

| Sensor support |
|--|
| eCompass/Magnetometer |
| Ambient Light Sensor |
| Adaptive Thermal Performance (via Gyroscope/Accelerometer) |
| Dell ExpressSign-In 1.0 (via Proximity Sensor) |
| Dell ExpressSign-in 2.0 IR/RGB Camera Sensing Technology |
| Wake/Power on with lid open |
| Hall sensor |

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Precision 5570.

Table 22. GPU—Integrated

| Controller | Memory size | Processor |
|---|----------------------|---|
| Intel Iris X ^e Graphics (Dual-channel memory configurations) | Shared system memory | 12 th Generation Intel Core i5/i7/i9 |
| Intel UHD Graphics (Single-channel memory configurations) | Shared system memory | 12 th Generation Intel Core i5/i7/i9 |

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Precision 5570.

Table 23. GPU—Discrete

| Controller | Memory size | Memory type |
|-------------------------|-------------|-------------|
| NVIDIA RTX A1000 Laptop | 4 GB | GDDR6 |

Table 23. GPU—Discrete (continued)

| Controller | Memory size | Memory type |
|-------------------------|-------------|-------------|
| NVIDIA RTX A2000 Laptop | 8 GB | GDDR6 |

Multiple display support matrix

The following table lists the multi-monitor support matrix supported by your Precision 5570.

Table 24. Integrated - Multiple display support matrix

| | |
|---|--|
| Video ports on Integrated Graphics Card | <ul style="list-style-type: none"> One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode Two Thunderbolt 4 ports with Power Delivery |
| Video port on Option Video module | <ul style="list-style-type: none"> One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode Two Thunderbolt 4 ports with Power Delivery |
| Number of displays | Three 4K external displays, one 5K or one 8K and above displays using the Thunderbolt 4 (USB-C) ports available on your Precision 5570 |

Table 25. Discrete - Multiple display support matrix

| Graphics Card | NVIDIA RTX A1000 Laptop | NVIDIA RTX A2000 Laptop |
|--------------------------------|--|--|
| Memory | 4 GB GDDR6 | 8 GB GDDR6 |
| Video Ports on system | <ul style="list-style-type: none"> One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode Two Thunderbolt 4 ports with Power Delivery | <ul style="list-style-type: none"> One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode Two Thunderbolt 4 ports with Power Delivery |
| Max Displays (direct connect) | 4 | 4 |
| Max Displays (DP multi-stream) | 1 | 1 |
| Number of displays | 1 | 1 |
| Supported Resolution | 4096x2304 @60 Hz | 4096x2304 @60 Hz |
| Total Power | 35 W to 95 W | 35 W to 95 W |

Hardware security

The following table lists the hardware security of your Precision 5570.

Table 26. Hardware security

| Hardware security options |
|--|
| NIST 800-147 protocol |
| 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) |
| Face IR camera (Windows Hello compliant) with ExpressSign-in 2.0 (Camera Sensing) (Optional) |
| Intel vPro Technology (iAMT 12) (optional, requires Intel WiFi Link WLAN and a vPro compatible processor) |

Table 26. Hardware security (continued)

| Hardware security options |
|--|
| Dell Client Command Suite available (dell.com/command), Factory Installed Dell Client Command Update, Dell Command Power Manager |
| Intel Platform Trust Technology |
| Chassis wedge-shaped security lock |
| Support for Absolute module interface and external SmartCard Reader |

Operating and storage environment

This table lists the operating and storage specifications of your Precision 5570.

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

Table 27. 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 (-49.87 ft to 10000 ft) | -15.2 m to 10668 m (-49.87 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 when the hard drive is in use.

Dell low blue light display

 **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.

The ComfortView feature on Dell laptops and displays is designed to minimize blue light emitted from the display for better eye comfort.

To reduce the risk of eye strain after looking at the laptop's display for an extended period of time, it is recommended that you:

1. Set the laptop's display at a comfortable viewing distance between 20 inches and 28 inches (50 cm and 70 cm) from your eyes.
2. Blink frequently to moisten your eyes, or wet your eyes with water.
3. Take a break for 20 minutes every two hours.
4. 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.

Keyboard shortcuts of Precision 5570

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, 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 28. List of keyboard shortcuts

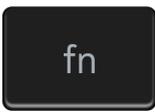
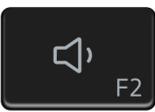
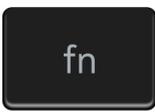
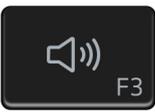
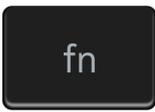
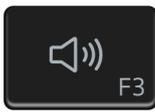
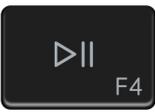
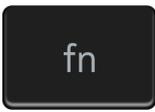
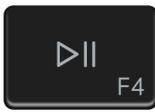
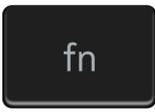
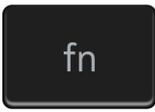
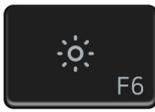
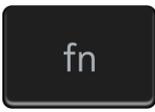
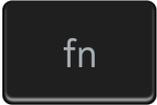
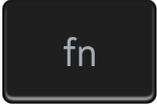
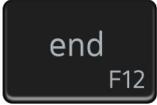
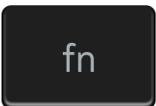
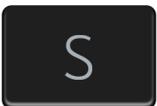
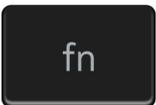
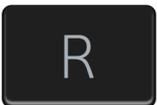
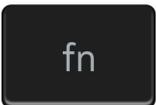
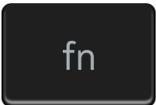
| Function key | Redefined key (for multimedia control) | Behavior |
|---|---|---------------------------|
|  |  +  | Mute audio |
|  |  +  | Decrease volume |
|  |  +  | Increase volume |
|  |  +  | Play/Pause |
|  |  +  | Toggle keyboard backlight |
|  |  +  | Decrease brightness |
|  |  +  | Increase brightness |

Table 28. List of keyboard shortcuts (continued)

| Function key | Redefined key (for multimedia control) | Behavior |
|---|---|----------------------------|
|  |  +  | Switch to external display |
|  |  +  | Print screen |
|  |  +  | Home |
|  |  +  | End |

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

Table 29. List of keyboard shortcuts

| Function key | Behavior |
|---|-----------------------|
|  +  | Pause/Break |
|  +  | Toggle scroll lock |
|  +  | System request |
|  +  | Open application menu |
|  +  | 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 30. 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 www.dell.com/support/linux |
| 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 | <ol style="list-style-type: none"> 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.