

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.

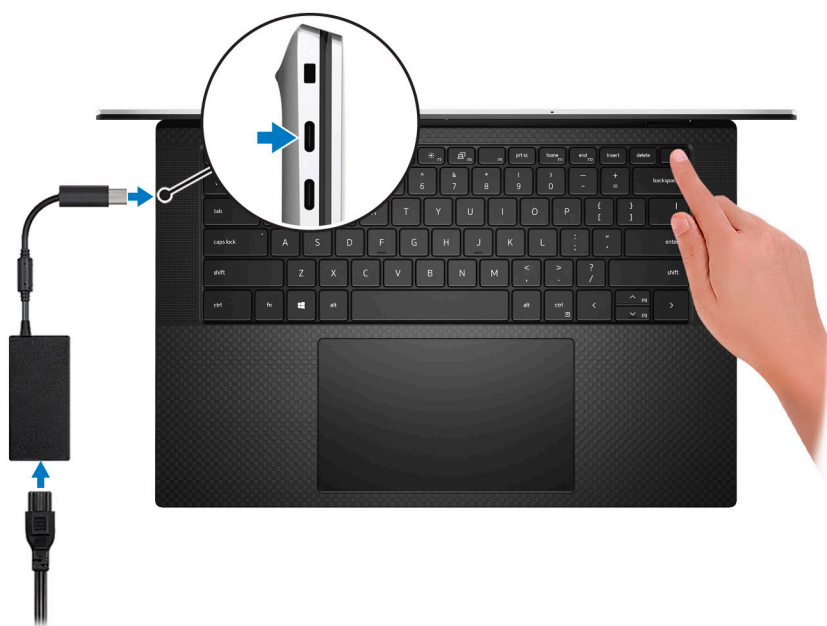
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Set up your Precision 5570

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 KB000131676 at https://www.dell.com/support.</p> <p>NOTE: All Dell apps are not available on Ubuntu.</p>

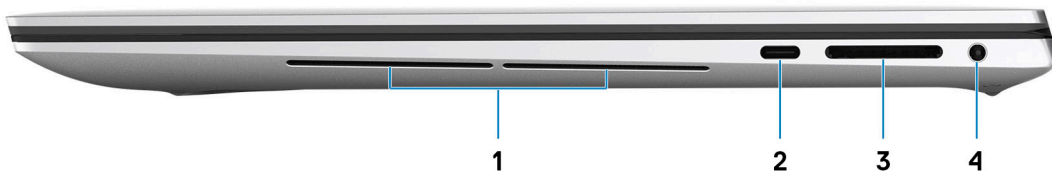
3. Locate and use Dell apps from the Windows Start menu—Recommended.

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</p> <p>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</p> <p>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 KB000149088 at https://www.dell.com/support/home/.</p>
	<p>Dell Digital Delivery</p> <p>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 KB000128904 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

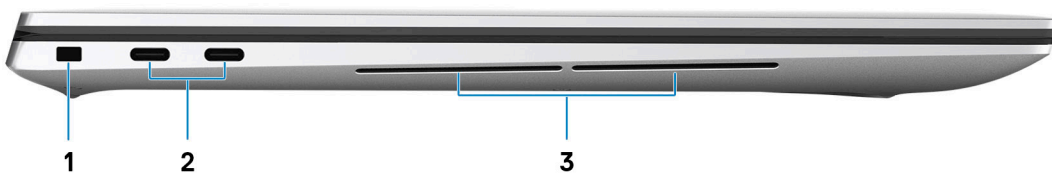
Reads from and writes to the SD card. The computer supports the following card types:

- 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.

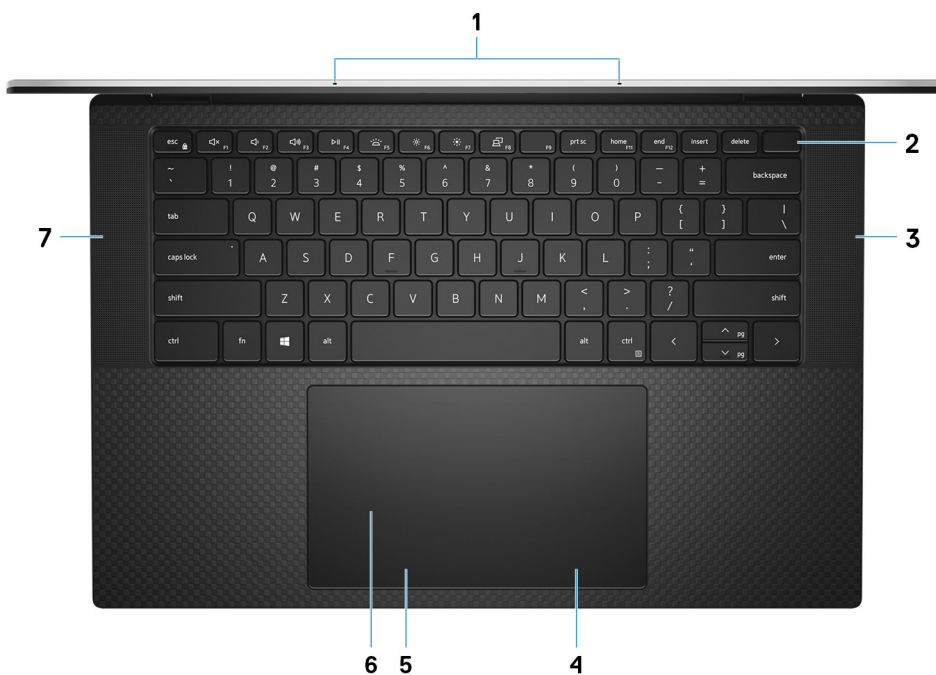
NOTE: USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

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) 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.

Display



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	7.70 mm (0.30 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 ModeTwo 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-adapter 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/gWi-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

RAID (Redundant Array of Independent Disks)

For optimal performance when configuring drives as a RAID volume, Dell recommends drive models that are identical.

NOTE: RAID is not supported on Intel Optane configurations.

RAID 0 (Striped, Performance) volumes benefit from higher performance when drives are matched because the data is split across multiple drives: any IO operations with block sizes larger than the stripe size will split the IO and become constrained by the slowest of the drives. For RAID 0 IO operations where block sizes are smaller than the stripe size, whichever drive the IO operation targets will determine the performance, which increases variability and results in inconsistent latencies. This variability is particularly pronounced for write operations and it can be problematic for applications that are latency sensitive. One such example of this is any application that performs thousands of random writes per second in very small block sizes.

RAID 1 (Mirrored, Data Protection) volumes benefit from higher performance when drives are matched because the data is mirrored across multiple drives: all IO operations must be performed identically to both drives, thus variations in drive performance when the models are different, results in the IO operations completing only as fast as the slowest drive. While this does not suffer the variable latency issue in small random IO operations as with RAID 0 across heterogeneous drives, the impact is nonetheless large because the higher performing drive becomes limited in all IO types. One of the worst examples of constrained performance here is when using unbuffered IO. To ensure writes are fully committed to non-volatile regions of the RAID volume, unbuffered IO bypasses cache (for example by using the Force Unit Access bit in the NVMe protocol) and the IO operation will not complete until all the drives in the RAID volume have completed the request to commit the data. This kind of IO operation completely negates any advantage of a higher performing drive in the volume.

Care must be taken to match not only the drive vendor, capacity, and class, but also the specific model. Drives from the same vendor, with the same capacity, and even within the same class, can have very different performance characteristics for certain types of IO operations. Thus, matching by model ensures that the RAID volumes is comprised of an homogeneous array of drives that will deliver all the benefits of a RAID volume without incurring the additional penalties when one or more drives in the volume are lower performing.

Precision 5570 supports RAID with more than one hard drive configuration.

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)

NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.

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	X=19.05 mm key pitch 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>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

Table 15. Camera specifications (continued)

Description		Values
	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)
	Storage	-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.
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
Touch options		No	Touch support, with 10 touch points
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.)

Table 19. Display specifications (continued)

Description		Option one	Option two
	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

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

Table 21. Sensors (continued)

Sensor support
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
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 port option	Supported configuration
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)
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

Table 27. Computer environment (continued)


Description	Operating	Storage
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

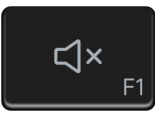
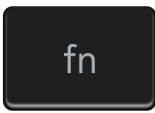
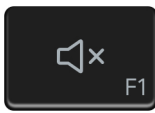
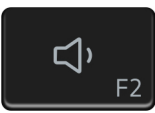
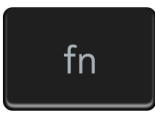
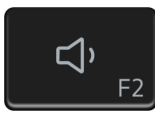
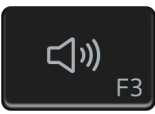
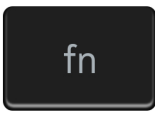
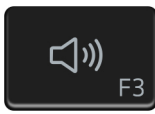
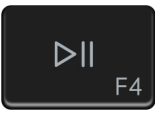
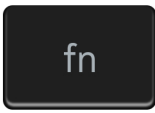
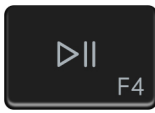

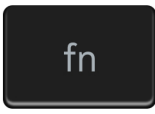
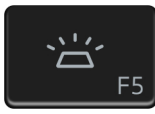
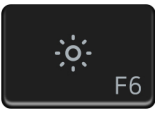
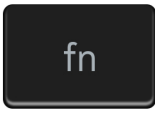
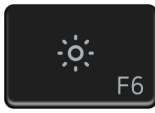
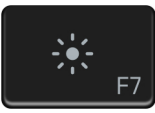
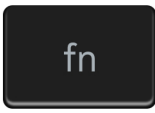
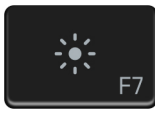


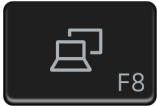






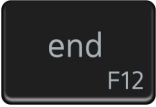
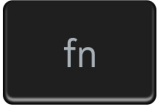
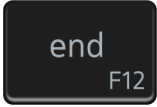







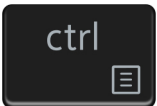

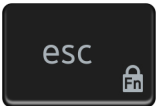
Function key	Redefined key (for multimedia control)	Behavior
 F1	 +  F1	Mute audio
 F2	 +  F2	Decrease volume
 F3	 +  F3	Increase volume
 F4	 +  F4	Play/Pause
 F5	 +  F5	Toggle keyboard backlight
 F6	 +  F6	Decrease brightness
 F7	 +  F7	Increase brightness

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.