

# Precision 5560

## 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.

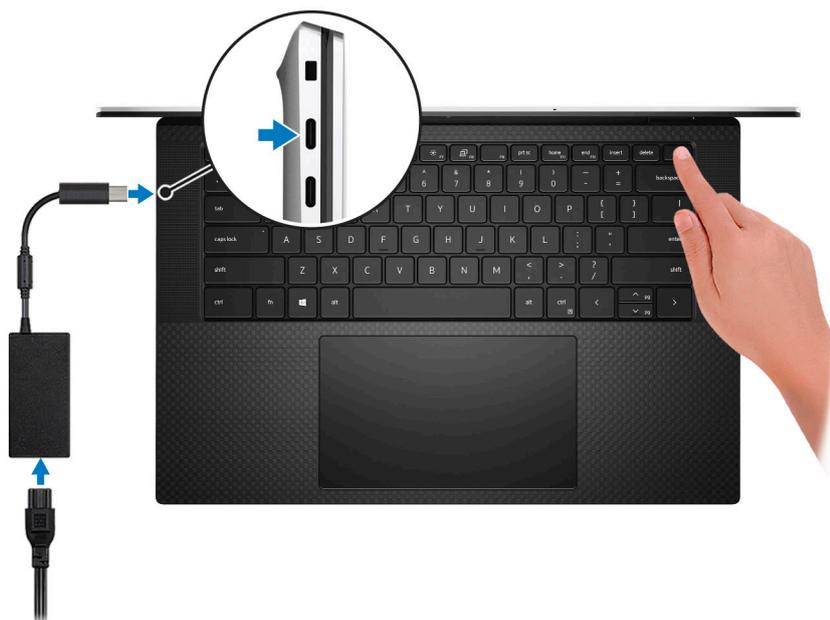
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# Set up your Precision 5560

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

1. Connect the power adapter to a power source and to either of the USB Type-C port with Power Delivery. Then press the power button on your computer.



**NOTE:** You can charge your system by connecting the power adapter to one of the two Thunderbolt 4 (USB Type-C) ports that are located on the left side of your computer or to the USB 3.2 Gen 2 (Type-C) port located on the right 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. 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"> <li>• Connect to a network for Windows updates.           <ul style="list-style-type: none"> <li><b>NOTE:</b> If connecting to a secured wireless network, enter the password for the wireless network access when prompted.</li> </ul> </li> <li>• If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.</li> <li>• On the <b>Support and Protection</b> screen, enter your contact details.</li> </ul>
Ubuntu	<p>Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles <a href="https://www.dell.com/support/kbdoc/en-in/000131676/how-to-configure-ubuntu-linux-after-it-s-first-installed-on-your-dell-pc">https://www.dell.com/support/kbdoc/en-in/000131676/how-to-configure-ubuntu-linux-after-it-s-first-installed-on-your-dell-pc</a> and <a href="https://www.dell.com/support/article/sln151748/">https://www.dell.com/support/article/sln151748/</a></p>

**Table 1. Operating system setup (continued)**

Operating system	Setup instructions
	<p><a href="https://www.dell.com/support/how-to-configure-ubuntu-linux-after-its-first-installed-on-your-dell-pc">how-to-configure-ubuntu-linux-after-its-first-installed-on-your-dell-pc</a> at <a href="https://www.dell.com/support">https://www.dell.com/support</a>.</p> <p> <b>NOTE:</b> 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><b>Dell Product Registration</b></p> <p>Register your computer with Dell.</p>
	<p><b>Dell Help &amp; Support</b></p> <p>Access help and support for your computer.</p>
	<p><b>Dell SupportAssist Pre-boot System Performance Check</b></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 <a href="https://www.dell.com/serviceabilitytools">https://www.dell.com/serviceabilitytools</a>.</p> <p> <b>NOTE:</b> In Dell SupportAssist Pre-boot System Performance Check, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p><b>Dell Update</b></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 <a href="https://www.dell.com/support/kbdoc/en-in/000149088/dell-update-overview-and-common-questions">https://www.dell.com/support/kbdoc/en-in/000149088/dell-update-overview-and-common-questions</a> at <a href="https://www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/manuals">https://www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/manuals</a>.</p>
	<p><b>Dell Digital Delivery</b></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 <a href="https://www.dell.com/support/kbdoc/en-in/000129837/dell-digital-delivery-installing-using-troubleshooting-and-faq-s">https://www.dell.com/support/kbdoc/en-in/000129837/dell-digital-delivery-installing-using-troubleshooting-and-faq-s</a> at <a href="https://www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/manuals">https://www.dell.com/support/home/product-support/product/dell-supportassist-pcs-tablets/manuals</a>.</p>

## Views of Precision 5560

### Right



#### 1. Speakers

Provide audio output.

#### 2. USB 3.2 Gen 2 Type-C port with PowerDelivery and DisplayPort Alt Mode

Connect devices such as external storage devices, printers, and external displays.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

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

#### 3. SD-card slot

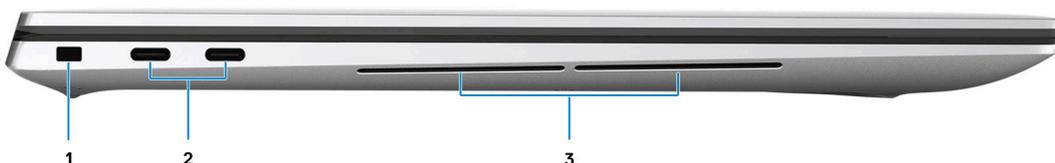
Reads from and writes to the SD card. The computer supports the following card types:

- 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. Wedge-shaped lock slot

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

#### 2. Thunderbolt 4.0 port with Power Delivery

Supports USB4, DisplayPort 1.4, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4.

**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 <https://www.dell.com/support/>.

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

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

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

### 3. Speakers

Provide audio output.

## Top



#### 1. Digital-array 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 4 seconds to force shut-down the computer.

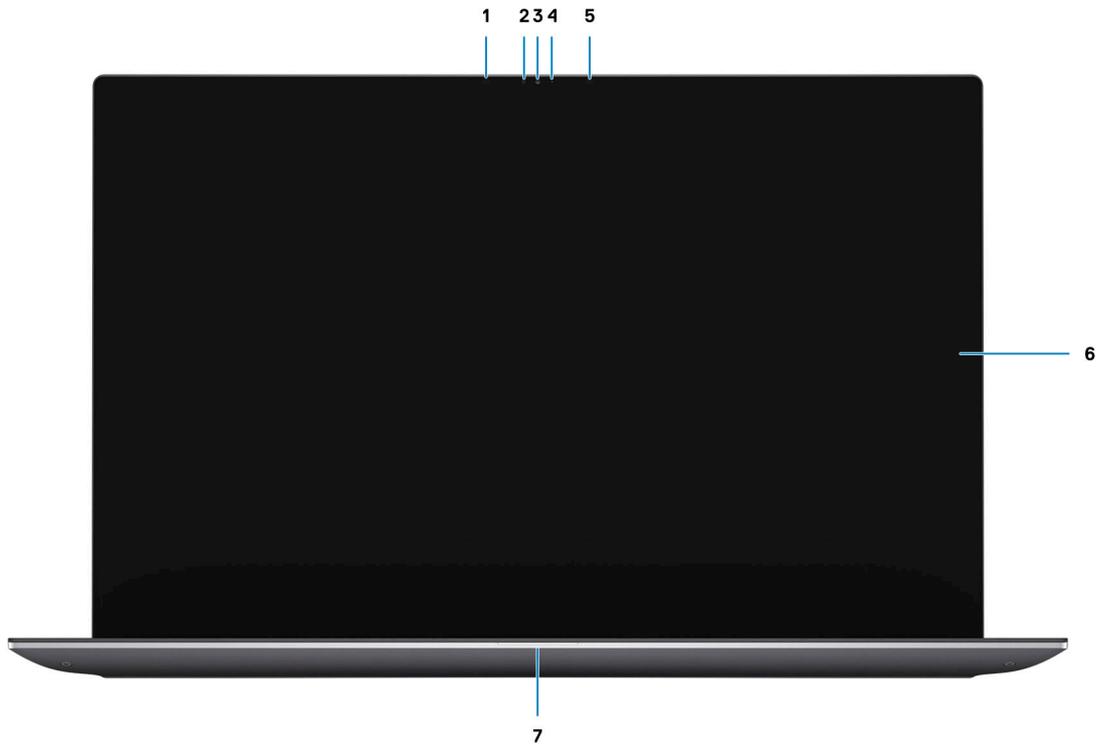
If the power button has a fingerprint reader, place your finger on the power button to log in.

**NOTE:** Your computer can store up to 20 fingerprints in its memory.

#### 3. Precision touchpad

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

# 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. LCD panel**

Provides visual output to the user.

**7. 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. 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.

## Specifications of Precision 5560

### 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 5560

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Precision 5560.

**Table 4. Dimensions and weight**

Description	Values
Height:	
Front height	7.70 mm (0.30 in.)
Rear height	11.65 mm (0.45 in.)
Width	344.40 mm (13.56 in.)
Depth	230.30 mm (9.07 in.)
Weight	4.50 lb (2.04 Kg)
 <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.	

## Processor

The following table lists the details of the processors supported by your Precision 5560.

**Table 5. Processor**

Description	Option one	Option two	Option three	Option Four	Option Five
Processor type	11 <sup>th</sup> Generation Intel Core i5-11500H, vPro	11 <sup>th</sup> Generation Intel Core i7-11800H, non-vPro	11 <sup>th</sup> Generation Intel Core i7-11850H, vPro	11 <sup>th</sup> Generation Intel Core i9-11950H, vPro	Intel Core Xeon W-11955M vPro
Processor wattage	45 W	45 W	45 W	45 W	45 W
Processor core count	6	8	8	8	8
Processor thread count	12	16	16	16	16
Processor speed	2.90 GHz to 4.60 GHz	2.30 GHz to 4.60 GHz	2.50 GHz to 4.80 GHz	2.60 GHz to 5.00 GHz	2.60 GHz to 5.00 GHz
Processor cache	12 MB	24 MB	24 MB	24 MB	24 MB
Integrated graphics	Intel UHD graphics	Intel UHD graphics	Intel UHD graphics	Intel Iris UHD graphics	Intel Iris UHD graphics

# Chipset

**Table 6. Chipset**

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

# Operating system

Your Precision 5560 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 11 Pro for Workstations, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 Pro for Workstation, 64-bit
- RHEL 8.4
- Ubuntu 20.04 LTS, 64-bit

# Memory

The following table lists the memory specifications of your Precision 5560.

**Table 7. Memory specifications**

Description	Values
Memory slots	Two SODIMM slots
Memory type	DDR4 ECC or non-ECC
Memory speed	3200 MHz
Maximum memory configuration	64 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB, 16 GB and, 32 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 8 GB, 1 x 8 GB, DDR4, 3200 MHz</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><li>• 8 GB, 1 x 8 GB, DDR4, ECC, 3200 MHz</li><li>• 16 GB, 2 x 8 GB, DDR4, ECC 3200 MHz, dual-channel</li><li>• 32 GB, 2 x 16 GB, DDR4, ECC 3200 MHz, dual-channel</li><li>• 64 GB, 2 x 32 GB, DDR4, ECC 3200 MHz, dual-channel</li></ul>

## External ports

The following table lists the external ports on your Precision 5560.

**Table 8. External ports**

Description	Values
USB ports	<ul style="list-style-type: none"><li>One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode</li><li>Two Thunderbolt 4 ports with Power Delivery</li></ul>
Audio port	One Universal audio (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	USB Type-C ports supports Power Delivery  <b>NOTE:</b> Connect the power adaptor (USB Type-C) to only one of the three USB Type-C or Thunderbolt 4 ports.
Security-cable slot	One wedge-shaped security slot

## Internal slots

The following table lists the internal slots of your Precision 5560.

**Table 9. Internal slots**

Description	Values
M.2	Two M.2 2230/2280 slot for solid-state drives  <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> .

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Precision 5560.

**Table 10. Wireless module specifications**

Description	Values
Model number	Intel Wi-Fi 6 AX201 (onboard)
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 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>

**Table 10. Wireless module specifications (continued)**

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

## Audio

The following table lists the audio specifications of your Precision 5560.

**Table 11. Audio specifications**

Description	Values	
Audio controller	Realtek ALC3281-CG	
Stereo conversion	Supported	
Internal audio interface	High-definition audio	
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	6 W
	Peak speaker output	8 W
Subwoofer output	Supported	
Microphone	Digital-array microphones	

## Storage

This section lists the storage options on your Precision 5560.

Your computer supports the following configurations:

- One M.2 2230 or M.2 2280 solid-state drive
- A combination of two M.2 solid-state drives (M.2 2230 or M.2 2280)

 **NOTE:** Supports RAID 0 and RAID 1.

The primary drive of your computer varies with the storage configuration. For computers:

- With two M.2 drives SSD1 is the primary drive.

 **NOTE:** The primary drive of your computer is the M.2 solid-state drive where the operating system is installed.

**Table 12. Storage specifications**

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

## Media-card reader

The following table lists the media cards supported by your Precision 5560.

**Table 13. 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>
 <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.	

## Keyboard

The following table lists the keyboard specifications of your Precision 5560.

**Table 14. Keyboard specifications**

Description	Values
Keyboard type	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 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 of Precision 5560</a> on page 26.</p>

# Camera

The following table lists the camera specifications of your Precision 5560.

**Table 15. Camera specifications**

Description		Values
Number of cameras		One
Camera type		RGB HD camera/Infrared 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 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 5560.

**Table 16. Touchpad specifications**

Description		Values
Touchpad resolution:		
	Horizontal	4655
	Vertical	2731
Touchpad dimensions:		
	Horizontal	150 mm (5.90 in.)
	Vertical	90 mm (3.54 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 Precision 5560.

**Table 17. Power adapter specifications**

Description	Option one	Option two
Type	90 W AC adapter, USB Type-C (with UMA graphics)	130 W AC adapter, USB Type-C (with Discrete graphics)
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/6.50 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 Precision 5560.

**Table 18. Battery specifications**

Description	Option one	Option two
Battery type	3-cell, 56 Wh "smart" Lithium-ion, ExpressCharge	6-cell lithium-ion, 86 Wh "smart" Lithium-ion, ExpressCharge
Battery voltage	11.40 VDC	11.4 VDC
Battery weight (maximum)	0.25 kg (0.56 lb)	0.340 kg (0.75 lb)
Battery dimensions:		
Height	7.56 mm (0.30 in.)	7.56 mm (0.30 in.)
Width	77.7 mm (3.06 in.)	77.7 mm (3.06 in.)
Depth	295.20 mm (11.62 in.)	295.2 mm (11.62 in.)
Temperature range:		

**Table 18. Battery specifications (continued)**

Description	Option one	Option two
Operating	Charge: 0 °C to 45 °C (32 °F to 113 °F) Discharge: 0 °C to 60 °C (32 °F to 149 °F)	Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0 C to 60°C (32°F to 149°F)
Storage	-20 °C to 60 °C (4 °F to 149 °F)	-20°C to 60°C (4°F to 149°F)
Battery operating time	Vary depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Vary depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) <b>i</b> <b>NOTE:</b> Control functions like the charging time, duration, start and end time on the Dell Power Manager application.	2 hr (Express charge), 3 hr on Standard charge (when the computer is off)	2 hr (Express charge), 3 hr on Standard charge (when the computer is off)
Coin-cell battery	Main battery reserves 2% of capacity for RTC function.	

## Display

The following table lists the display specifications of your Precision 5560.

**Table 19. Display specifications**

Description	Option one	Option two
Display type	Full High Definition (FHD+), Non-touch	Ultra High Definition (UHD), touch
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):		
Height	336.38 mm (13.24 in.)	336.38 mm (13.24 in.)
Width	210.24 mm (8.28 in.)	210.24 mm (8.28 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	9.2
Color gamut	sRGB 100% (typical)	Adobe 100% min; DCI-P3 94% typical, 90% minimum
Pixels Per Inch (PPI)	145	290
Contrast ratio (min.)	1650:1 (typical)	1600:1
Response time (max.)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	85 +/- degrees	85 +/- degrees
Vertical view angle	85 +/- degrees	85 +/- degrees

**Table 19. Display specifications (continued)**

Description	Option one	Option two
Pixel pitch	0.1752 mm	0.0876 mm
Power consumption (maximum)	4.41 W	10.4 W
Anti-glare vs glossy finish	Anti-Glare	Anti-Reflection
Touch options	No	Yes

## Fingerprint reader

The following table lists the fingerprint-reader specifications of your Precision 5560.

 **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  <b>NOTE:</b> Your computer can store up to 20 fingerprints in its memory.

## 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 5560.

**Table 22. GPU—Integrated**

Controller	External display support	Memory size	Processor
Intel UHD graphics	Three USB Type-C to Display Ports	Shared system memory	11 <sup>th</sup> Generation Intel Core i5/i7/i9 and Xeon W-Series processors

**Table 22. GPU—Integrated**

Controller	External display support	Memory size	Processor
	 <b>NOTE:</b> You can connect up to three 4K external displays or one 5K or one 8K and above displays using the Thunderbolt 4 (USB-C) ports available on your Precision 5560		

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Precision 5560.

**Table 23. GPU—Discrete**

Controller	Memory size	Memory type
NVIDIA T1200	4 GB	GDDR6
NVIDIA RTX A2000	4 GB	GDDR6

## Multiple display support matrix

The following table lists the multi-monitor support matrix supported by your Precision 5560.

**Table 24. Integrated - Multiple display support matrix**

Video ports on Integrated Graphics Card	<ul style="list-style-type: none"> <li>One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode</li> <li>Two Thunderbolt 4 ports with Power Delivery</li> </ul>
Video port on Option Video module	<ul style="list-style-type: none"> <li>One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode</li> <li>Two Thunderbolt 4 ports with Power Delivery</li> </ul>
Number of displays	Three 4K external displays or one 5K or one 8K and above displays using the Thunderbolt 4 (USB-C) ports available on your Precision 5560

**Table 25. Discrete - Multiple display support matrix**

Graphics Card	NVIDIA Quadro T1200	NVIDIA RTX A2000
Memory	4 GB GDDR6	4 GB GDDR6
Video Ports on system	<ul style="list-style-type: none"> <li>One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode</li> <li>Two Thunderbolt 4 ports with Power Delivery</li> </ul>	<ul style="list-style-type: none"> <li>One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode</li> <li>Two Thunderbolt 4 ports with Power Delivery</li> </ul>
Max Displays (direct connect)	4	4
Max Displays (DP multi-stream)	1	1
Number of displays	1	1
Supported Resolution	<ul style="list-style-type: none"> <li>4096x2304 @60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>4096x2304 @60 Hz</li> </ul>
Total Power	35 W to 95 W	35 W to 95 W

# Hardware security

The following table lists the hardware security of your Precision 5560.

**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

# Smart-card reader

## Contactless smart-card reader

The following table lists the contactless smart-card reader specifications supported by your Precision 5560.

**Table 27. Contactless smart-card reader**

Title	Description	Dell ControlVault 3 contactless smart-card reader with NFC
Felica Card Support	Reader and software capable of supporting Felica contactless cards	Yes
Prox (Proximity) (125kHz) Card support	Reader and software capable of supporting Prox/Proximity/125kHz contactless cards	No
ISO 14443 Type A Card Support	Reader and software capable of supporting ISO 14443 Type A contactless cards	Yes
ISO 14443 Type B Card Support	Reader and software capable of supporting ISO 14443 Type B contactless cards	Yes
ISO/IEC 21481	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO/IEC 18092	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO 15693 Card Support	Reader and software capable of supporting ISO15693 contactless cards	Yes

**Table 27. Contactless smart-card reader (continued)**

Title	Description	Dell ControlVault 3 contactless smart-card reader with NFC
NFC Tag Support	Supports reading and processing of NFC compliant tag information	Yes
NFC Reader Mode	Support for NFC Forum Defined Reader mode	Yes
NFC Writer Mode	Support for NFC Forum Defined Writer mode	Yes
NFC Peer-to-Peer Mode	Support for NFC Forum Defined Peer to Peer mode	Yes
EMVCo Compliant	Compliant with EMVCO smart card standards as posted to www.emvco.com	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
NFC Proximity OS Interface	Enumerates NFP (Near Field Proximity) device for OS to utilize	Yes
PC/SC OS interface	Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers	Yes
Windows Certified	Device certified by Microsoft WHCK	Yes
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes

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

**Table 28. Supported cards**

Manufacturer	Card	Supported
HID	jCOP readertest3 A card (14443a)	Yes
	1430 1L	
	DESFire D8H	
	iClass (Legacy)	
	iClass SEOS	
NXP/Mifare	Mifare DESFire 8K White PVC Cards	Yes
	Mifare Classic 1K White PVC Cards	
	NXP Mifare Classic S50 ISO Card	
G&D	idOnDemand - SCE3.2 144K	Yes
	SCE6.0 FIPS 80K Dual+ 1 K Mifare	
	SCE6.0 nonFIPS 80K Dual+ 1 K Mifare	
	SCE6.0 FIPS 144K Dual + 1K Mifare	
	SCE6.0 nonFIPS 144K Dual + 1 K Mifare	
	SCE7.0 FIPS 144K	

**Table 28. Supported cards (continued)**

Manufacturer	Card	Supported
Oberthur	idOnDemand - OCS5.2 80K	Yes
	ID-One Cosmo 64 RSA D V5.4 T=0 card	
Gemalto	TOP DL GX4 144K card	Yes
Sony	Felica RC-S962	Yes
	Felica RC-S966	Yes
PIVKey	C910 PKI	Yes
IDENTIV	PIV programmed cards	Yes

## Contacted smart-card reader

The following table lists the contacted smart-card reader specifications supported by your Precision 5560.

**Table 29. Contacted smart-card reader**

Title	Description	Dell ControlVault 3 contacted smart-card reader
ISO 7816 -3 Class A Card Support	Reader capable of reading 5V powered smart card	Yes
ISO 7816 -3 Class B Card Support	Reader capable of reading 3V powered smart card	Yes
ISO 7816 -3 Class C Card support	Reader capable of reading 1.8V powered smart card	Yes
T=0 support	Cards support character level transmission	Yes
T=1 support	Cards support block level transmission	Yes
EMVCo Compliant	Compliant with EMVCo (for electronic payment standards) smart card standards as posted to <a href="http://www.emvco.com">www.emvco.com</a>	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
PC/SC OS interface	Personal Computer/Smart card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers	Yes
Windows Certified	Device certified by Microsoft WHCK	Yes
FIPS 201 (PIV/HSPD-12) Compliant via GSA	Device compliant with FIPS 201/PIV/HSPD-12 requirements	Yes
ISO 7816-1 Compliant -	Specification for the reader	Yes
ISO 7816 -2 Compliant -	Specification for smart card device physical characteristics (size, location of connection points, etc.)	N/A
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes

# Operating and storage environment

This table lists the operating and storage specifications of your Precision 5560.

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

**Table 30. 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 (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 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

This section explains about Dell low blue light 4K display panel.

 **WARNING: The possible long-term effects of blue light emission from the display may cause personal injury such as digital eye strain, eye fatigue, and damage to the eyes. Using the monitor for extended periods of time may also cause pain in parts of the body such as neck, arm, back, and shoulder.**

Dell low blue light display optimizes eye comfort with a flicker-free screen. This feature is designed to reduce the amount of blue light that is emitted from the monitor to optimize eye comfort.

To reduce the risk of eye strain and neck/arm/back/shoulder pain from using the monitor for long periods of time, we suggest you to:

1. Set the distance of the screen between 20 inches to 28 inches (50 cm-70 cm) from your eyes.
2. Blink frequently to moisten your eyes or wet your eyes with water after prolonged usage of the monitor.
3. Take regular and frequent breaks for 20 minutes every two hours.
4. Look away from your monitor and gaze at a distant object at 20 ft away for at least 20 s during the breaks.
5. Perform stretches to relieve tension in the neck, arm, back, and shoulders during the breaks.

## Keyboard shortcuts of Precision 5560

**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 31. List of keyboard shortcuts**

Function key	Redefined key (for multimedia 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	Keyboard Brightness
F6	fn + F6	Decrease display brightness
F7	fn + F7	Increase display 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 32. 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
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 33. 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> <a href="http://www.dell.com/support/linux">www.dell.com/support/linux</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> .  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.

## Contacting Dell

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

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Go to **Dell.com/support**.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.