

# Inspiron 16 5620 - NVIDIA GeForce MX570/570A

## 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 Inspiron 16 5620

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


2. Finish Windows setup.

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





- Connect to a network for Windows updates.
  - NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

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

**Table 1. Locate Dell apps**

Resources	Description
	<p><b>My Dell</b></p> <p>Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.</p>

**Table 1. Locate Dell apps (continued)**

Resources	Description
	<p><b>SupportAssist</b></p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at <a href="http://www.dell.com/serviceabilitytools">www.dell.com/serviceabilitytools</a>. Click <b>SupportAssist</b> and then, click <b>SupportAssist for Home PCs</b>.</p> <p> <b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p><b>Dell Update</b></p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>
	<p><b>Dell Digital Delivery</b></p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

# Views of Inspiron 16 5620

## Left



### 1. Power-adapter port

Connect a power adapter to provide power to your computer and charge the battery.

### 2. Power and battery-status light

Indicates the power state and battery state of the computer.

Solid white—Power adapter is connected and the battery is charging.

Solid amber—Battery charge is low or critical.

Off—Battery is fully charged.

**NOTE:** On certain computer models, the power and battery-status light are also used for diagnostics. For more information, see the *Troubleshooting* section in your computer's *Service Manual*.

### 3. HDMI 1.4 port

Connect to a TV, external display or another HDMI-in enabled device. Provides video and audio output.

### 4. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

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

Connect devices such as external storage devices, printers, and external displays. Provides data transfer rate of up to 10 Gbps.

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

Supports DisplayPort 1.4 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.

# Right



## 1. 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)

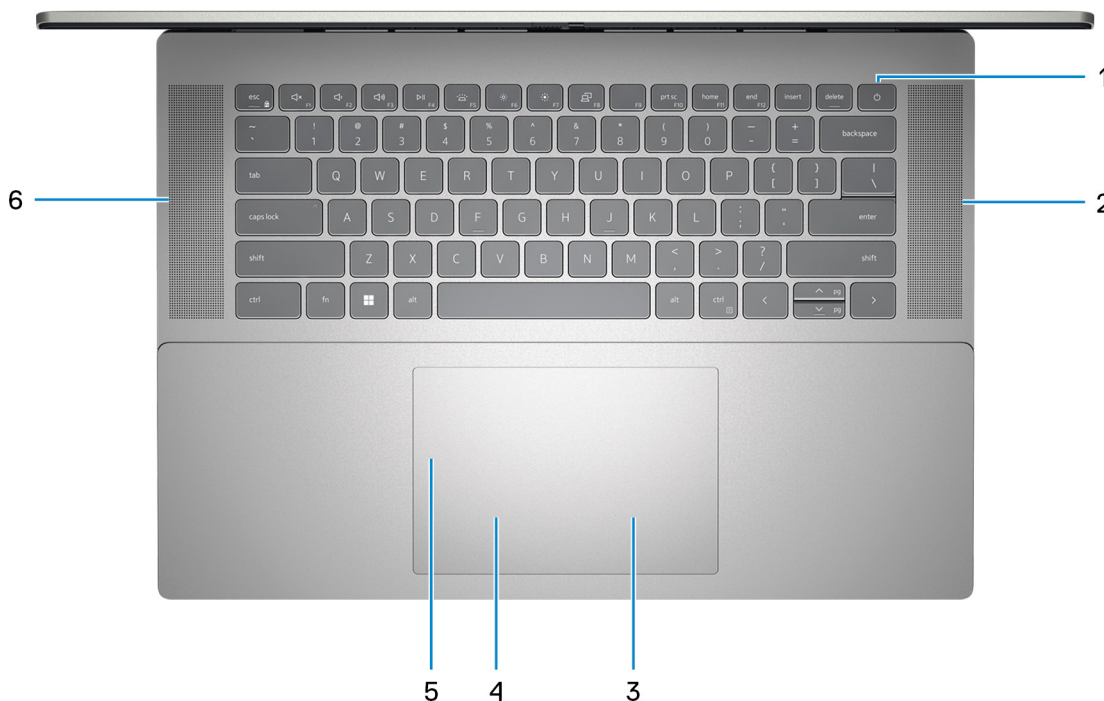
## 2. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

## 3. Headset jack

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

# Top



## 1. Power button with optional 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 four 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.

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

**2. Right speaker**

Provides audio output.

**3. Right-click area**

Press to right-click.

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

**4. Left-click area**

Press to left-click.

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

**5. Precision touchpad**

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

**6. Left speaker**

Provides audio output.

## Front



**1. Left microphone**

Provides digital sound input for audio recording and voice calls.

**2. Privacy shutter**

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

**3. Camera**

Enables you to video chat, capture photos, and record videos.



#### 4. Camera-status light

Turns on when the camera is in use.

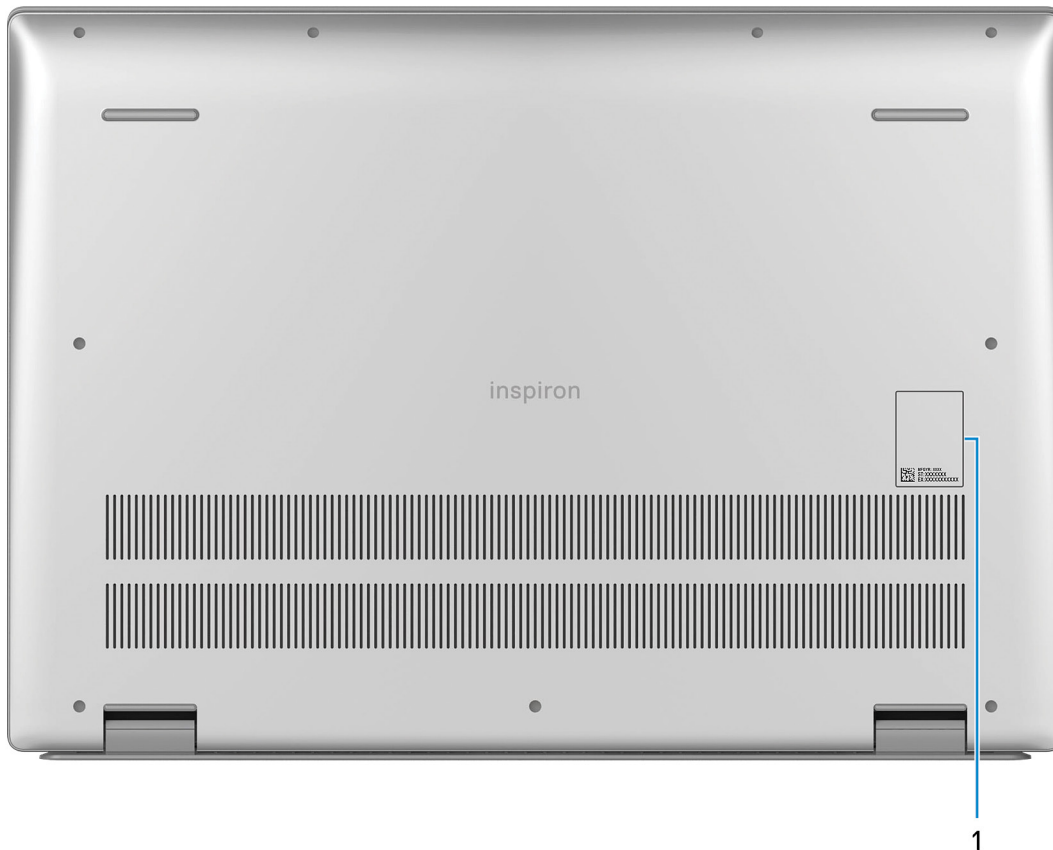
#### 5. Right microphone

Provides digital sound input for audio recording and voice calls.

#### 6. LCD panel

Provides visual output to the user.

## 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 Inspiron 16 5620

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 16 5620.

**Table 2. Dimensions and weight**

Description	Values
Height:	
Front height	15.67 mm (0.62 in.)
Rear height	17.95 mm (0.71 in.)
Width	356.78 mm (14.05 in.)
Depth	251.90 mm (9.92 in.)
Weight	1.97 kg (4.34 lb)
 <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 Inspiron 16 5620.

**Table 3. Processor**

Description	Option one	Option two	Option three	Option four	Option five
Processor type	12 <sup>th</sup> Generation Intel Core i3-1215U	12 <sup>th</sup> Generation Intel Core i5-1235U	12 <sup>th</sup> Generation Intel Core i5-1240P	12 <sup>th</sup> Generation Intel Core i7-1255U	12 <sup>th</sup> Generation Intel Core i7-1260P
Processor wattage	15 W	15 W	28 W	15 W	28 W
Processor core count	6	10	12	10	12
Processor thread count	8	12	16	12	16
Processor speed	Up to 4.4 GHz	Up to 4.4 GHz	Up to 4.4 GHz	Up to 4.7 GHz	Up to 4.6 GHz
Processor cache	10 MB	12 MB	12 MB	12 MB	18 MB
Integrated graphics	Intel UHD Graphics	<ul style="list-style-type: none"> <li>Intel Iris Xe Graphics</li> <li>Intel UHD Graphics</li> </ul>	<ul style="list-style-type: none"> <li>Intel Iris Xe Graphics</li> <li>Intel UHD Graphics</li> </ul>	<ul style="list-style-type: none"> <li>Intel Iris Xe Graphics</li> <li>Intel UHD Graphics</li> </ul>	<ul style="list-style-type: none"> <li>Intel Iris Xe Graphics</li> <li>Intel UHD Graphics</li> </ul>

# Chipset

The following table lists the details of the chipset supported by your Inspiron 16 5620.

**Table 4. Chipset**

Description	Values
Chipset	Integrated in the processor
Processor	12 <sup>th</sup> Generation Intel Core i3U/i5U/i5P/i7U/i7P
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen4

# Operating system

Your Inspiron 16 5620 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Pro National Education, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Home in S-mode, 64-bit
- Ubuntu 20.04 LTS, 64-bit

# Memory

The following table lists the memory specifications of your Inspiron 16 5620.

**Table 5. Memory specifications**

Description	Values
Memory slots	Two-SODIMM slots
Memory type	DDR4
Memory speed	3200 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory size per slot	4 GB, 8 GB, and 16 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 4 GB, 1 x 4 GB, DDR4, 3200 MHz, dual-channel</li><li>• 8 GB, 2 x 4 GB, DDR4, 3200 MHz, dual-channel</li><li>• 8 GB, 1 x 8 GB, DDR4, 3200 MHz</li><li>• 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 3200 MHz</li><li>• 16 GB, 2 x 8 GB, DDR4, 3200 MHz, dual-channel</li><li>• 16 GB, 1 x 16 GB, DDR4, 3200 MHz</li><li>• 24 GB, 1 x 16 GB + 1 x 8 GB, DDR4, 3200 MHz</li><li>• 32 GB, 2 x 16 GB, DDR4, 3200 MHz, dual-channel</li></ul>

## External ports

The following table lists the external ports on your Inspiron 16 5620.

**Table 6. External ports**

Description	Values
USB ports	<ul style="list-style-type: none"> <li>Two USB 3.2 Gen 1 ports</li> <li>One USB 3.2 Gen 2 Type-C port with DisplayPort 1.4 and Power Delivery</li> </ul>
Audio port	One headset jack
Video port/ports	<ul style="list-style-type: none"> <li>One HDMI 1.4 port</li> <li>One USB 3.2 Gen 2 Type-C port with DisplayPort 1.4 and Power Delivery</li> </ul> <p><b>NOTE:</b> A USB Type-C to DisplayPort adapter (sold separately) is required to connect to a DisplayPort device.</p>
Media-card reader	One SD-card slot
Power-adaptor port	One 4.50 mm x 2.90 mm DC-in
Security-cable slot	Not supported

## Internal slots

The following table lists the internal slots of your Inspiron 16 5620.

**Table 7. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"> <li>One M.2 2230 slot for WiFi and Bluetooth combo card</li> <li>One M.2 2230 slot for solid-state drive</li> <li>One M.2 2230/2280 slot for solid-state drive</li> </ul> <p><b>NOTE:</b> To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Inspiron 16 5620.

**Table 8. Wireless module specifications**

Description	Option one	Option two
Model number	Intel AX201	Intel AX211
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> <li>WiFi 802.11a/b/g</li> </ul>	<ul style="list-style-type: none"> <li>WiFi 802.11a/b/g</li> </ul>

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

Description	Option one	Option two
	<ul style="list-style-type: none"> <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>	<ul style="list-style-type: none"> <li>• Wi-Fi 4 (WiFi 802.11n)</li> <li>• Wi-Fi 5 (WiFi 802.11ac)</li> <li>• Wi-Fi 6E (WiFi 802.11ax)</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>• 64-bit/128-bit WEP</li> <li>• AES-CCMP</li> <li>• TKIP</li> </ul>	<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	Bluetooth 5.2

## Audio

The following table lists the audio specifications of your Inspiron 16 5620.

**Table 9. Audio specifications**

Description	Values	
Audio controller	Realtek ALC3254	
Stereo conversion	Supported	
Internal audio interface	High definition audio	
External audio interface	<ul style="list-style-type: none"> <li>• One headset jack</li> <li>• One HDMI 1.4 port</li> </ul>	
Number of speakers	Two	
Internal-speaker amplifier	Supported	
External volume controls	Keyboard shortcut controls	
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output	Not supported	
Microphone	Digital-array microphones in camera assembly	

## Storage

This section lists the storage options on your Inspiron 16 5620.

Your Inspiron 16 5620 supports one of the following storage configurations:

- One M.2 2230/2280 solid-state drive
- One M.2 2230 solid-state drive + one M.2 2230/2280 solid-state drive

The primary drive of your Inspiron 16 5620 varies with the storage configuration. The primary drive of your Inspiron 16 5620 is the drive where your operating system is installed.


**Table 10. Storage specifications**

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

## Media-card reader

The following table lists the media cards supported by your Inspiron 16 5620.


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

Description	Values
Media-card type	One SD card slot
Media-cards supported	<ul style="list-style-type: none"><li>Secure Digital (SD)</li><li>Secure Digital High Capacity (SDHC)</li><li>Secure Digital Extended Capacity (SDXC)</li></ul>
 <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 Inspiron 16 5620.

**Table 12. Keyboard specifications**

Description	Values
Keyboard type	<ul style="list-style-type: none"><li>Standard keyboard</li><li>Backlit keyboard</li></ul>
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</a>.</p>

# Camera

The following table lists the camera specifications of your Inspiron 16 5620.

**Table 13. Camera specifications**

Description		Values
Number of cameras		One
Camera type		One RGB FHD camera
Camera location		Front
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	2.03 megapixel
	Video	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle:		82 degrees

# Touchpad

The following table lists the touchpad specifications of your Inspiron 16 5620.

**Table 14. Touchpad specifications**

Description		Values
Touchpad resolution:		
	Horizontal	1920
	Vertical	1080
Touchpad dimensions:		
	Horizontal	133 mm (5.24 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 <a href="https://support.microsoft.com">support.microsoft.com</a> .


# Power adapter

The following table lists the power adapter specifications of your Inspiron 16 5620.

**Table 15. Power adapter specifications**

Description		Values
Type		65W AC adapter
Connector dimensions:		
	External diameter	4.50 mm

**Table 15. Power adapter specifications (continued)**

Description		Values
	Internal diameter	2.90 mm
Power-adapter dimensions:		
	Height	28 mm (1.10 in.)
	Width	108 mm (4.25 in.)
	Depth	47 mm (1.85 in.)
Power-adapter weight (maximum)		0.29 kg (0.64 lbs)
Input voltage		100 VAC–240 VAC
Input frequency		50 Hz–60 Hz
Input current (maximum)		<ul style="list-style-type: none"> <li>• 1.6 A</li> <li>• 1.7 A</li> </ul>
Output current (continuous)		3.34 A
Rated output voltage		19.50 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)
 <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 Inspiron 16 5620.

**Table 16. Battery specifications**

Description	Option one	Option two	
Battery type	4-cell polymer (54 Wh)	4-cell polymer (64 Wh)	
Battery voltage	15 VDC	15.20 VDC	
Battery weight (maximum)	0.24 kg (0.53 lb)	0.26 kg (0.57 lb)	
Battery dimensions:			
	Height	271.90 mm (10.70 in.)	271.90 mm (10.70 in.)
	Width	82 mm (3.23 in.)	82 mm (3.23 in.)
	Depth	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
Temperature range:			
	Operating	0°C to 70°C (32°F to 158°F)	0°C to 70°C (32°F to 158°F)



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

Description		Option one	Option two
	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) ⓘ <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on <a href="http://www.dell.com">www.dell.com</a> .		<ul style="list-style-type: none"> <li>• 2 hour (express)</li> <li>• 3 hour (standard) hours, when the computer is off</li> </ul>	<ul style="list-style-type: none"> <li>• 2 hour (express)</li> <li>• 3 hour (standard) hours, when the computer is off</li> </ul>
Coin-cell battery		CR2032	CR2032
⚠ <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.			
⚠ <b>CAUTION:</b> Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.			

## Display

The following table lists the display specifications of your Inspiron 16 5620.

**Table 17. Display specifications**

Description		Option one	Option two	Option three	Option four
Display type		Full High Definition Plus (FHD+), ComfortView	Full High Definition Plus (FHD+), ComfortView Plus	3k, ComfortView Plus	Full High Definition Plus (FHD+), ComfortView Plus
Display-panel technology		Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):					
	Height	344.68 mm (13.57 in.)	344.68 mm (13.57 in.)	344.68 mm (13.57 in.)	344.68 mm (13.57 in.)
	Width	215.42 mm (8.48 in.)	215.42 mm (8.48 in.)	215.42 mm (8.48 in.)	215.42 mm (8.48 in.)
	Diagonal	406.50 mm (16.00 in.)	406.46 mm (16.00 in.)	406.46 mm (16.00 in.)	406.46 mm (16.00 in.)
Display-panel native resolution		1920 x 1200	1920 x 1200	3072 x 1920	1920 x 1200
Luminance (typical)		250 nits	300 nits	300 nits	300 nits
Megapixels		2.3	2.3	5.9	2.3

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

Description	Option one	Option two	Option three	Option four
Color gamut	45% NTSC, typical	100% sRGB, typical	100% sRGB, typical	100% sRGB, typical
Pixels Per Inch (PPI)	141	141	226	141
Contrast ratio (typ)	<ul style="list-style-type: none"> <li>800:1 (minimum)</li> <li>1000:1 (typical)</li> </ul>	<ul style="list-style-type: none"> <li>1000:1 (minimum)</li> <li>1200:1 (typical)</li> </ul>	<ul style="list-style-type: none"> <li>1000:1 (minimum)</li> <li>1200:1 (typical)</li> </ul>	<ul style="list-style-type: none"> <li>1000:1 (minimum)</li> <li>1200:1 (typical)</li> </ul>
Response time (min)	35 ms	<ul style="list-style-type: none"> <li>30 ms, typical</li> <li>35 ms, maximum</li> </ul>	<ul style="list-style-type: none"> <li>30 ms, typical</li> <li>35 ms, maximum</li> </ul>	<ul style="list-style-type: none"> <li>30 ms, typical</li> <li>35 ms, maximum</li> </ul>
Refresh rate	60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle	+/- 85 degrees	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>
Vertical view angle	+/- 85 degrees	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>
Pixel pitch	0.18 mm	0.18 mm	0.11 mm	0.18 mm
Power consumption (maximum)	4.15 W	4.4 W	3.8 W	4.73 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare	Glossy
Touch options	No	No	No	Touch support, with 10 touch points

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Inspiron 16 5620.


**Table 18. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Trans-capacitive sensing
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	100 x 88

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 16 5620.

**Table 19. GPU—Integrated**

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	12 <sup>th</sup> Generation Intel Core i3U/i5U/i5P/i7U/i7P
Intel Iris Xe Graphics  <b>NOTE:</b> Intel Iris Xe Graphics will default to Intel UHD graphics on computers with single-channel memory configuration.	Shared system memory	12 <sup>th</sup> Generation Intel Core i5U/i5P/i7U/i7P

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 16 5620.

**Table 20. GPU—Discrete**

Controller	Memory size	Memory type
NVIDIA GeForce MX570/570A	2 GB	GDDR6

## Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 16 5620.

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

**Table 21. Computer environment**

Description	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (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.

# Dell ComfortView

**CAUTION:** Prolonged exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

Blue light is a color in the white light spectrum which has a short wavelength and high frequency. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and change our body's Circadian rhythm. Using the computer for an extended period may also cause fatigue in other body parts such as the neck, arm, back, and shoulder.

Dell low blue light displays optimize eye comfort with a flicker-free screen. The ComfortView feature reduces the amount of blue light emitted from the monitor to optimize eye comfort. ComfortView mode can be enabled and configured using the **Dell CinemaColor** (DCC) application. Dell ComfortView is certified by TÜV.

## Dell CinemaColor

Dell CinemaColor (DCC) combines the hardware and software to deliver clear visuals that appear every bit as vibrant as the world around you. The DCC has four color profiles that optimize these settings depending on the content and your surroundings.

When you open DCC, you can choose **Movie (default)**, **ComfortView**, **Sports**, or **Animation** from the list. The ComfortView Profile optimizes eye comfort with a Low Blue Light software solution that meets TÜV standards to reduce harmful blue light emissions to make extended screen time easy on your eyes compared to standard digital panels while still retaining the vibrant colors.

ComfortView mode is certified by TÜV for the effective reduction of hazardous blue light by adjusting display parameters. You can adjust the Saturation, Temperature, and Contrast values to create your custom setting in the ComfortView mode.

**NOTE:** For more information on DellCinema components see KB article [000178241](https://www.dell.com/support) at <https://www.dell.com/support>.

## ComfortView Plus

ComfortView Plus is a built-in, always-on, and virtually unnoticeable low blue light solution for Dell displays. ComfortView Plus employs a hardware-based design that allows for a wider blue spectrum, with a much lower peak and reduced intensity. Dell ComfortView Plus is certified by TÜV certified - low blue light hardware solution.

**NOTE:** ComfortView Plus is an optional hardware feature to be configured at the point of sale.

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

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

## Keyboard shortcuts

**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, multi-media control can be invoked by pressing **fn** and the respective function key. For example, mute audio by pressing **fn + F1**.

**NOTE:** You can also define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

**Table 22. List of keyboard shortcuts**

Function key	Re-defined key (for multi-media control)	Behavior
F1	fn + F1	Mute audio
F2	fn + F2	Decrease volume
F3	fn + F3	Increase volume
F4	fn + F4	Play/Pause
F5	fn + F5	Toggle keyboard backlight (optional)
F6	fn + F6	Decrease brightness
F7	fn + F7	Increase brightness
F8	fn + F8	Switch to external display
F10	fn + F10	Print screen
F11	fn + F11	Home
F12	fn + F12	End

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

**Table 23. List of keyboard shortcuts**

Function key	Behavior
fn + B	Pause/Break
fn + H	Toggle between power light and battery-status light
fn + S	Toggle scroll lock
fn + R	System request
fn + ctrl	Open application menu
fn + esc	Toggle fn-key lock
fn + page up	Page up

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



<b>Function key</b>	<b>Behavior</b>
fn + page down	Page down

# Getting help and contacting Dell

## Self-help resources


You can get information and help on Dell products and services using these self-help resources:


**Table 24. Self-help resources**

Self-help resources	Resource location
Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a>
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at <a href="http://www.dell.com/support">www.dell.com/support</a> .  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.