

# Inspiron 15 5501

## 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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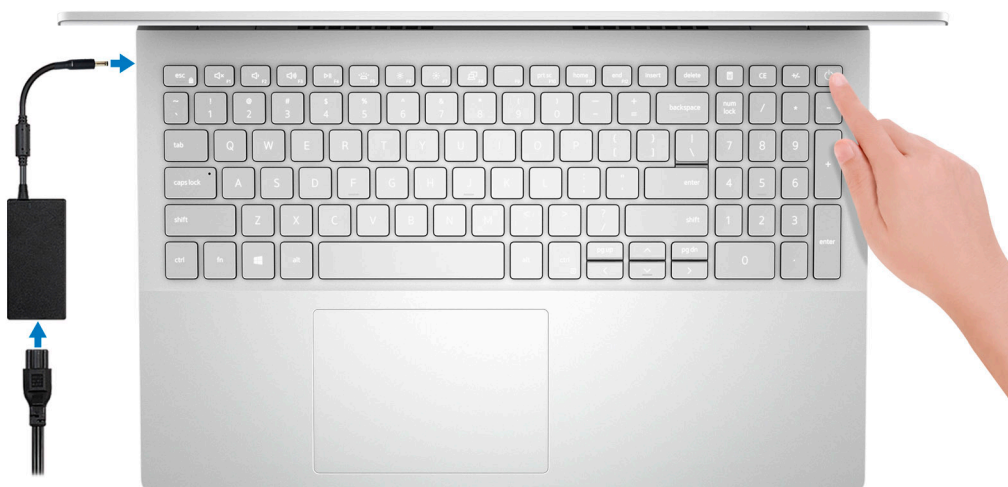
# Set up your Inspiron 5501

## About this task

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

## Steps

1. Connect the power adapter and press the power button.



**NOTE:** To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

2. Finish operating system setup.

### For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles [SLN151664](#) and [SLN151748](#) at [www.dell.com/support](http://www.dell.com/support).


### For Windows:

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    |
|---|----------------|
|  | <b>My Dell</b> |

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

| Resources   | Description   |
|---|---|
|   | 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><b>SupportAssist</b></p> <p>Pro-actively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p> <p> <b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p> |
|  | <p><b>Dell Update</b></p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article <a href="https://www.dell.com/support/article/SLN305843">SLN305843</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>   |
|  | <p><b>Dell Digital Delivery</b></p> <p>Download software applications, which are purchased but not 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/article/153764">153764</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>   |

## Views of Inspiron 5501

### Right



#### 1. microSD-card slot

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

- microSecure Digital (mSD)
- microSecure Digital High Capacity (mSDHC)
- microSecure Digital Extended Capacity (mSDXC)

#### 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 port

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

### Left



#### 1. Power-adaptor 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 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.

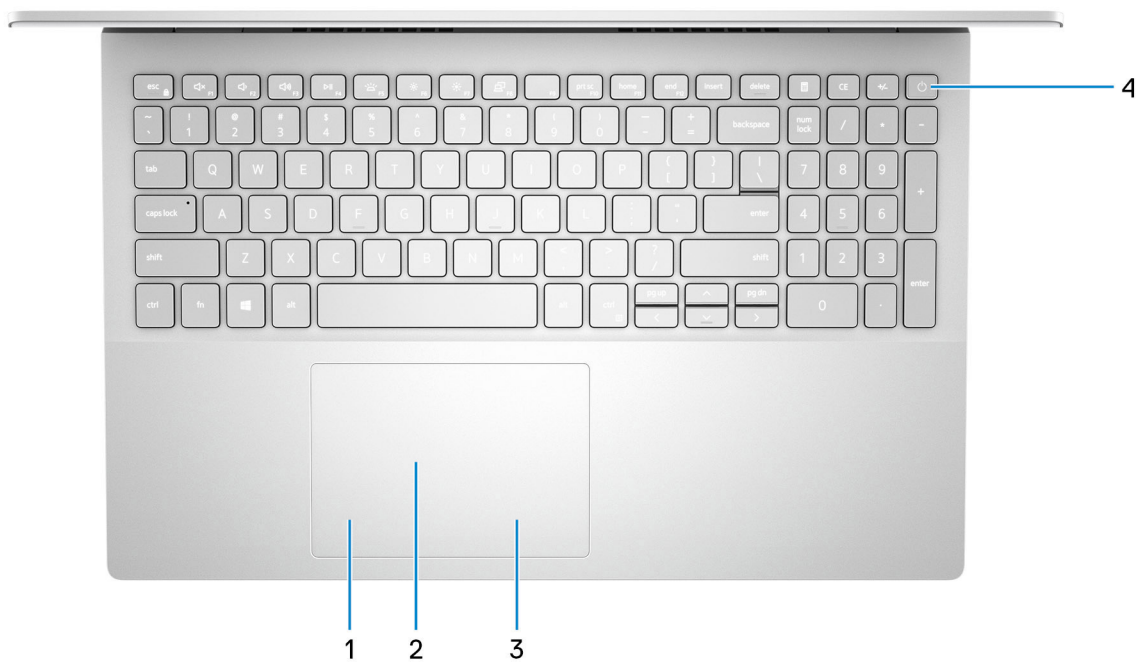
#### 5. USB 3.2 Gen 1 (Type-C) port with Power Delivery/DisplayPort

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 7.5 W power output that enables faster charging.

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

## Base



#### 1. Left-click area

Press to left-click.

#### 2. Touchpad

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

#### 3. Right-click area

Press to right-click.

#### 4. Power button with optional fingerprint reader

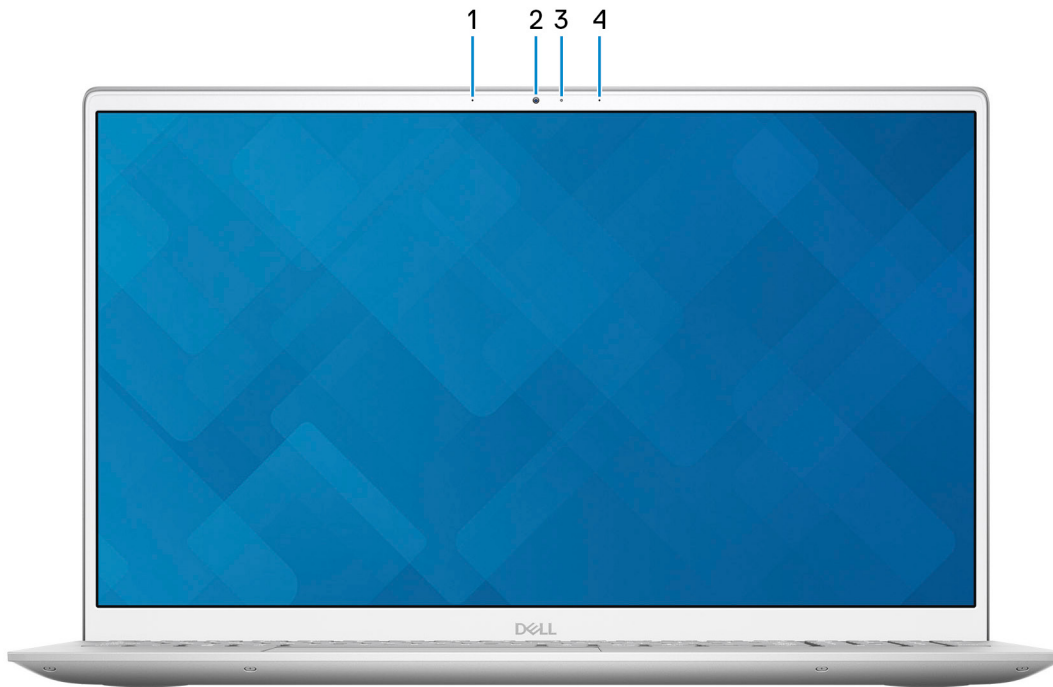
Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 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:** 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).

# Display



**1. Left microphone**

Provides digital sound input for audio recording and voice calls.

**2. Camera**

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

**3. Camera-status light**

Turns on when the camera is in use.

**4. Right microphone**

Provides digital sound input for audio recording and voice calls.



# Bottom



## 1. Left speaker

Provides audio output.

## 2. Right speaker

Provides audio output.

## 3. Service Tag label


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

# Specifications of Inspiron 5501

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 5501.

**Table 2. Dimensions and weight**

| Description      | Values  |
|------------------|---|
| Height:          |   |
| Front height     | 14.15 mm (0.56 in.)   |
| Rear height      | 17.90 mm (0.70 in.)   |
| Width            | 356.10 mm (14.02 in.)   |
| Depth            | 234.50 mm (9.23 in.)  |
| Weight (maximum) | 1.65 kg (3.64 lb)<br> <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 5501.

**Table 3. Processor**

| Description            | Option one                                       | Option two                                       | Option three                                     |
|------------------------|--|--|--|
| Processor type         | 10 <sup>th</sup> Generation Intel Core i3-1005G1 | 10 <sup>th</sup> Generation Intel Core i5-1035G1 | 10 <sup>th</sup> Generation Intel Core i7-1065G7 |
| Processor wattage      | 15 W   | 15 W   | 15 W   |
| Processor core count   | 2  | 4  | 4  |
| Processor thread count | 4  | 8  | 8  |
| Processor speed        | Up to 3.4 GHz                                    | Up to 3.6 GHz                                    | Up to 3.9 GHz                                    |
| Processor cache        | 4 MB   | 6 MB   | 8 MB   |
| Integrated graphics    | Intel UHD Graphics                               | Intel UHD Graphics                               | Intel Iris Plus Graphics                         |

# Chipset

The following table lists the details of the chipset supported by your Inspiron 5501.

**Table 4. Chipset**

| Description    | Values  |
|----------------|---|
| Chipset        | Integrated in the processor                     |
| Processor      | 10 <sup>th</sup> Generation Intel Core i3/i5/i7 |
| DRAM bus width | 64-bit  |
| Flash EPROM    | 16 MB + 8 MB                                    |
| PCIe bus       | Up to Gen3                                      |

# Operating system

Your Inspiron 5501 supports the following operating systems:

- Windows 10 Home, 64-bit
- Windows 10 Professional, 64-bit
- Windows 10 Home in S Mode, 64-bit
- Ubuntu 18.04 LTS, 64-bit

# Memory

The following table lists the memory specifications of your Inspiron 5501.

**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    | 4 GB  |
| Memory size per slot            | 4 GB, 8 GB, 16 GB   |
| Memory configurations supported | <ul style="list-style-type: none"><li>• 4 GB, 1 x 4 GB, DDR4, 3200 MHz, SODIMM</li><li>• 8 GB, 1 x 8 GB, DDR4, 3200 MHz, SODIMM</li><li>• 8 GB, 2 x 4 GB, DDR4, 3200 MHz, SODIMM, dual-channel</li><li>• 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 3200 MHz, SODIMM</li><li>• 16 GB, 2 x 8 GB, DDR4, 3200 MHz, SODIMM, dual-channel</li><li>• 16 GB, 1 x 16 GB, DDR4, 3200 MHz, SODIMM</li><li>• 32 GB, 2 x 16 GB, DDR4, 3200 MHz, SODIMM, dual-channel</li></ul> |

## External ports

The following table lists the external ports on your Inspiron 5501.


**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 1 Type-C port with DisplayPort and PowerDelivery</li></ul> |
| Audio port         | One headset (headphone and microphone combo) port  |
| Video port         | One HDMI 1.4 port  |
| Media-card reader  | One microSD-card slot  |
| Docking port       | Not supported  |
| Power-adaptor port | One 4.5 mm x 2.9 mm power-adaptor port   |
| Security           | Not supported  |

## Internal slots

The following table lists the internal slots of your Inspiron 5501.

**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>Two M.2 2230/2280 slots for solid-state drive or M.2 2280 Intel Optane storage</li></ul> <p> <b>NOTE:</b> To learn more about the features of different types of M.2 cards, see the knowledge base article <a href="https://www.dell.com/support/sln/SLN301626">SLN301626</a> at <a href="https://www.dell.com/support">www.dell.com/support</a>.</p> |

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Inspiron 5501.

**Table 8. Wireless module specifications**

| Description               | Option one   | Option two  | Option three  |
|---------------------------|--|---|---|
| Model number              | Intel Wireless-AC 9462   | Qualcomm QCA 61x4A  | Intel AX201   |
| Transfer rate             | Up to 433 Mbps   | Up to 867 Mbps  | Up to 2400 Mbps   |
| Frequency bands supported | 2.4 GHz/5 GHz  | 2.4 GHz/5 GHz   | 2.4 GHz/5 GHz   |
| Wireless standards        | <ul style="list-style-type: none"><li>WiFi 802.11b/g/a</li><li>Wi-Fi 4 (WiFi 802.11n)</li><li>Wi-Fi 5 (WiFi 802.11ac)</li><li></li></ul> | <ul style="list-style-type: none"><li>WiFi 802.11b/g/a</li><li>Wi-Fi 4 (WiFi 802.11n)</li><li>Wi-Fi 5 (WiFi 802.11ac)</li></ul> | <ul style="list-style-type: none"><li>WiFi 802.11b/g/a</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 8. Wireless module specifications (continued)**

| Description | Option one   | Option two   | Option three   |
|-------------|--|--|--|
| 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> | <ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul> |
| Bluetooth   | Bluetooth 5.0  | Bluetooth 5.0  | Bluetooth 5.1  |

## Audio

The following table lists the audio specifications of your Inspiron 5501.

**Table 9. Audio specifications**

| Description                | Values   |
|----------------------------|--|
| Audio controller           | Realtek ALC3204                                  |
| Stereo conversion          | Supported  |
| Internal audio interface   | High-definition audio interface                  |
| External audio interface   | Headset (headphone and microphone combo) port    |
| Number of speakers         | Two  |
| Internal-speaker amplifier | Supported (audio codec integrated)               |
| 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 the camera assembly |

## Storage

This section lists the storage options on your Inspiron 5501.

The primary drive of your computer varies with the storage configuration. The solid-state drive in M.2 slot one is the primary drive. Your Inspiron 5501 supports one of the following storage configurations:

- One M.2 2230/2280 solid-state drive or one M.2 2280 Intel Optane storage
- One M.2 2230 solid-state drive and one M.2 2280 solid-state drive
- One M.2 2230/2280 solid-state drive and one M.2 2280 Intel Optane storage

**Table 10. Storage specifications**

| Storage type               | Interface type    | Capacity     |
|----------------------------|-------------------|--------------|
| M.2 2230 solid-state drive | PCIe Gen3 x4 NVMe | Up to 512 GB |
| M.2 2280 solid-state drive | PCIe Gen3 x4 NVMe | Up to 2 TB   |

**Table 10. Storage specifications (continued)**

| Storage type  | Interface type    | Capacity     |
|---|-------------------|--------------|
| M.2 2280 Intel Optane Memory H10 with Solid State Storage | PCIe Gen3 x2 NVMe | Up to 512 GB |

## Intel Optane Memory H10 with Solid State Storage (optional)

Intel Optane Memory technology utilizes 3D XPoint memory technology and functions as a non-volatile storage cache/accelerator and/or storage device depending on the Intel Optane Memory installed in your computer.

Intel Optane Memory H10 with Solid State Storage functions as both a non-volatile storage cache/accelerator (enabling enhanced read/write speeds for hard-drive storage) and a solid-state storage solution. It neither replaces nor adds to the memory (RAM) installed on your computer.

**Table 11. Intel Optane Memory H10 with Solid State Storage specifications**

| Description                    | Values  |
|--------------------------------|---|
| Interface                      | PCIe 3 x4 NVMe <ul style="list-style-type: none"> <li>One PCIe 3 x2 for Optane memory</li> <li>One PCIe 3 x2 for solid-state storage</li> </ul> |
| Connector                      | M.2   |
| Form factor                    | 2280  |
| Capacity (Intel Optane memory) | Up to 32 GB   |
| Capacity (solid-state storage) | Up to 512 GB  |

**NOTE:** Intel Optane Memory H10 with Solid State Storage is supported on computers that meet the following requirements:

- 9<sup>th</sup> Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

## Media-card reader

The following table lists the media cards supported by your Inspiron 5501.


**Table 12. Media-card reader specifications**

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

# Keyboard

The following table lists the keyboard specifications of your Inspiron 5501.

**Table 13. Keyboard specifications**

| Description        | Values   |
|--------------------|--|
| Keyboard type      | <ul style="list-style-type: none"><li>• Standard keyboard</li><li>• Standard backlit keyboard</li></ul>  |
| Keyboard layout    | QWERTY   |
| Number of keys     | <ul style="list-style-type: none"><li>• United States and Canada: 101 keys</li><li>• United Kingdom: 102 keys</li><li>• Japan: 105 keys</li></ul>  |
| Keyboard size      | X=18.70 mm key pitch<br>Y=18.05 mm key pitch   |
| Keyboard shortcuts | <p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p> <b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.</p> <p>For more information, see <a href="#">Keyboard shortcuts</a>.</p> |

# Camera

The following table lists the camera specifications of your Inspiron 5501.

**Table 14. Camera specifications**

| Description             | Values                    |
|-------------------------|---------------------------|
| Number of cameras       | One                       |
| Camera type             | RGB HD camera             |
| Camera location         | Front                     |
| Camera sensor type      | CMOS sensor technology    |
| Camera resolution:      |                           |
| Still image             | 0.92 megapixel            |
| Video                   | 1280 x 720 (HD) at 30 fps |
| Diagonal viewing angle: | 74.9 degrees              |

# Touchpad

The following table lists the touchpad specifications of your Inspiron 5501.

**Table 15. Touchpad specifications**

| Description          |            | Values  |
|----------------------|------------|---|
| Touchpad resolution: |            |   |
|                      | Horizontal | 1229  |
|                      | Vertical   | 749   |
| Touchpad dimensions: |            |   |
|                      | Horizontal | 115 mm (4.53 in.)   |
|                      | Vertical   | 80 mm (3.15 in.)  |
| Touchpad gestures    |            | For more information about touchpad gestures available on Windows 10, 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 Inspiron 5501.

**Table 16. Power adapter specifications**

| Description                 |                   | Option one                     | Option two                     |
|-----------------------------|-------------------|--------------------------------|--------------------------------|
| Type                        |                   | E4 45W                         | E4 65W                         |
| Connector dimensions:       |                   |                                |                                |
|                             | External diameter | 7.40 mm                        | 7.40 mm                        |
|                             | Internal diameter | 5.10 mm                        | 5.10 mm                        |
| Input voltage               |                   | 100 VAC–240 VAC                | 100 VAC–240 VAC                |
| Input frequency             |                   | 50 Hz–60 Hz                    | 50 Hz–60 Hz                    |
| Input current (maximum)     |                   | 1.30 A                         | 1.50 A                         |
| Output current (continuous) |                   | 2.31 A                         | 3.34 A                         |
| Rated output voltage        |                   | 19.50 VDC                      | 19.50 VDC                      |
| Temperature range:          |                   |                                |                                |
|                             | Operating         | 0°C to 40°C (32°F to 104°F)    | 0°C to 40°C (32°F to 104°F)    |
|                             | Storage           | -40°C to 70°C (-40°F to 158°F) | -40°C to 70°C (-40°F to 158°F) |



# Battery

The following table lists the battery specifications of your Inspiron 5501.

**Table 17. Battery specifications**

| Description                         |           | Option one   | Option two   |
|-------------------------------------|-----------|--|--|
| Battery type                        |           | 3-cell "smart" lithium-ion (40 WHr)  | 4-cell "smart" lithium-ion (53 WHr)  |
| Battery voltage                     |           | 11.40 VDC  | 15.20 VDC  |
| Battery weight (maximum)            |           | 0.18 kg (0.40 lb)  | 0.24 kg (0.52 lb)  |
| Battery dimensions:                 |           |  |  |
|                                     | Height    | 184.10 mm (7.25 in.)   | 239.10 mm (9.41 in.)   |
|                                     | Width     | 90.73 mm (3.57 in.)  | 90.73 mm (3.57 in.)  |
|                                     | Depth     | 5.75 mm (0.23 in.)   | 5.75 mm (0.23 in.)   |
| Temperature range:                  |           |  |  |
|                                     | Operating | 0°C to 35°C (32°F to 95°F)   | 0°C to 35°C (32°F to 95°F)   |
|                                     | Storage   | -40°C to 65°C (-40°F to 149°F)   | -40°C to 65°C (-40°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) |           | 4 hours (when the computer is off)<br><b>i</b> <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> | 4 hours (when the computer is off)<br><b>i</b> <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> |
| Coin-cell battery                   |           | CR2032   | CR2032   |

# Display

The following table lists the display specifications of your Inspiron 5501.

**Table 18. Display specifications**

| Description                             |        | Option one                 | Option two                 | Option three               |
|---|--------|----------------------------|----------------------------|----------------------------|
| Display type                            |        | Full High Definition (FHD) | Full High Definition (FHD) | Full High Definition (FHD) |
| Display-panel technology                |        | Wide-Viewing Angle (WVA)   | Wide-Viewing Angle (WVA)   | Wide-Viewing Angle (WVA)   |
| Display-panel dimensions (active area): |        |                            |                            |                            |
|   | Height | 193.60 mm (7.62 in.)       | 193.60 mm (7.62 in.)       | 193.60 mm (7.62 in.)       |
|   | Width  | 344.20 mm (13.55 in.)      | 344.20 mm (13.55 in.)      | 344.20 mm (13.55 in.)      |

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

| Description                     |          | Option one            | Option two            | Option three          |
|---------------------------------|----------|-----------------------|-----------------------|-----------------------|
|                                 | Diagonal | 394.90 mm (15.55 in.) | 394.90 mm (15.55 in.) | 394.90 mm (15.55 in.) |
| Display-panel native resolution |          | 1920 x 1080           | 1920 x 1080           | 1920 x 1080           |
| Luminance (typical)             |          | 300 nits              | 220 nits              | 220 nits              |
| Megapixels                      |          | 2                     | 2                     | 2                     |
| Color gamut                     |          | 72% NTSC              | 45% NTSC              | 45% NTSC              |
| Pixels Per Inch (PPI)           |          | 141                   | 141                   | 141                   |
| Contrast ratio (typ)            |          | 700 : 1               | 700 : 1               | 700 : 1               |
| Response time (max)             |          | 35 ms                 | 35 ms                 | 35 ms                 |
| Refresh rate                    |          | 60 Hz                 | 60 Hz                 | 60 Hz                 |
| Horizontal view angle           |          | +/- 85 degrees        | +/- 85 degrees        | +/- 85 degrees        |
| Vertical view angle             |          | +/- 85 degrees        | +/- 85 degrees        | +/- 85 degrees        |
| Pixel pitch                     |          | 0.18 mm               | 0.18 mm               | 0.18 mm               |
| Power consumption (maximum)     |          | 6.20 W                | 4.20 W                | 4.20 W                |
| Anti-glare vs glossy finish     |          | Anti-glare            | Anti-glare            | Anti-glare            |
| Touch options                   |          | No                    | No                    | Yes                   |

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Inspiron 5501.

**Table 19. Fingerprint reader specifications**

| Description                          | Values     |
|--------------------------------------|------------|
| Fingerprint-reader sensor technology | Capacitive |
| Fingerprint-reader sensor resolution | 500 dpi    |
| Fingerprint-reader sensor pixel size | 80 x 64    |

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 5501.

**Table 20. GPU—Integrated**

| Controller         | External display support | Memory size          | Processor                                    |
|--------------------|--------------------------|----------------------|--|
| Intel UHD Graphics | HDMI 1.4 port            | Shared system memory | 10 <sup>th</sup> Generation Intel Core i3/i5 |

**Table 20. GPU—Integrated (continued)**

| Controller               | External display support                   | Memory size          | Processor                                 |
|--------------------------|--|----------------------|---|
| Intel Iris Plus Graphics | USB 3.2 Gen 1 Type-C port with DisplayPort | Shared system memory | 10 <sup>th</sup> Generation Intel Core i7 |

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 5501.

**Table 21. GPU—Discrete**

| Controller           | External display support | Memory size | Memory type |
|----------------------|--------------------------|-------------|-------------|
| NVIDIA GeForce MX330 | Not supported            | 2 GB        | GDDR5       |

## Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 5501.

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


**Table 22. 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 3,048 m (-49.87 ft to 10,000 ft) | -15.2 m to 10,668 m (-49.87 ft to 35,000 ft) |

\* 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.


# Keyboard shortcuts of Inspiron 5501

 **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 23. 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                                | Toggle keyboard backlight (optional)<br> <b>NOTE:</b> Non-backlight keyboards have F5 function key without the backlight icon and does not support toggle keyboard backlight function. |
| 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 24. List of keyboard shortcuts**

| Function key | Behavior           |
|--------------|--------------------|
| fn + B       | Pause/Break        |
| fn + S       | Toggle scroll lock |

**Table 24. List of keyboard shortcuts (continued)**



| <b>Function key</b> | <b>Behavior</b>                           |
|---------------------|---|
| fn + R              | System request                            |
| fn + ctrl           | Open application menu                     |
| fn + esc            | Toggle fn-key lock                        |
| fn + spacebar       | Emoji                                     |
| fn + T              | Turn on/off <b>Ultra performance mode</b> |
| fn + pg up          | Page up                                   |
| fn + pg dn          | 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 25. 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   |   |
| 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><br><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> .<br>For more information on how to find the Service Tag for your computer, see <a href="#">Locate the Service Tag for your Dell Laptop</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.