

# Inspiron 3471

## 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.

© 2019 Dell Inc. or its subsidiaries. All rights reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

<b>1 Set up your computer.....</b>	<b>4</b>
<b>2 Views of Inspiron 3471.....</b>	<b>7</b>
Front.....	7
Back.....	8
Back panel.....	9
<b>3 Specifications of Inspiron 3471.....</b>	<b>10</b>
Dimensions and weight.....	10
Processors.....	10
Chipset.....	11
Operating system.....	11
Memory.....	11
Ports and connectors.....	12
Communications.....	12
Media-card reader.....	13
Video.....	13
Audio.....	14
Storage.....	14
Power rating.....	14
Computer environment.....	15
<b>4 Getting help and contacting Dell.....</b>	<b>16</b>

# Set up your computer

1. Connect the keyboard and the mouse.



2. Connect to your network using a cable.



**i** **NOTE:** Alternatively, you can connect to a wireless network.

3. Connect the display.

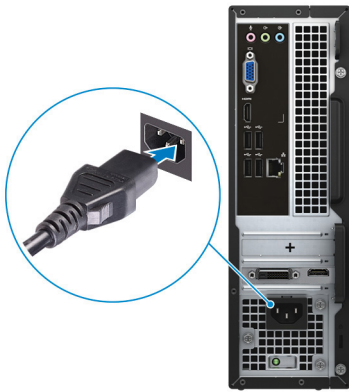
**i** **NOTE:** If your computer is shipped with an integrated graphics card and a discrete graphics card, the ports on the back panel are covered. Connect the display to a display port on the discrete graphics card.



**i** **NOTE:** If your computer is shipped with an integrated graphics card only, connect the display to a display port on the back panel.



4. First connect the power cable to the computer and then to a power source.



5. Press the power button.







6. 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 secure 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.

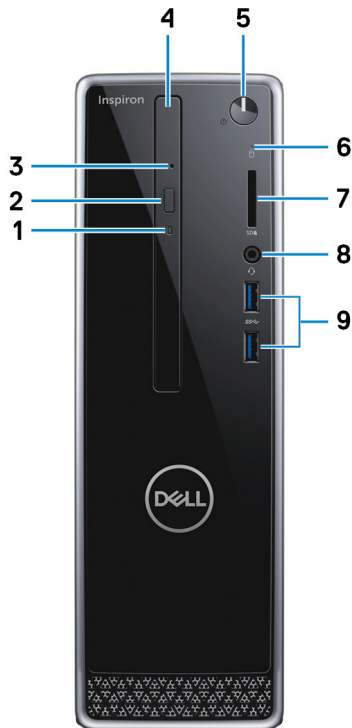
7. Locate and use Dell apps from the Windows Start menu—Recommended

**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>
	<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 3471

### Front



#### 1. Optical-drive activity light

Turns on when the computer reads from or writes to the optical disc.

#### 2. Optical-drive eject button

Press to open the optical drive tray.

#### 3. Optical-drive emergency eject pinhole

Used to eject the optical-drive tray manually if the optical-drive eject button fails.

**NOTE:** For more information about manually ejecting optical-drive trays, see the knowledge base article [SLN301118](#) at [www.dell.com/support](http://www.dell.com/support).

#### 4. Optical drive (optional)

Reads from and writes to CDs and DVDs.

#### 5. Power button

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

Press to put the computer in sleep state if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.

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

#### 6. Hard-drive activity light

Turns on when the computer reads from or writes to the hard drive.

#### 7. SD-card slot

Reads from and writes to the SD card, supporting the following card types:

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

**8. Headset port**

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

**9. USB 3.1 Gen 1 ports (2)**

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

## Back



**1. Back panel**

Connect USB, audio, video, and other devices.

**2. 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.

**3. Expansion-card slots**

Provide access to ports on any installed PCI Express cards.

**4. Power port**

Connect a power cable to provide power to your computer.

**5. Power-supply diagnostics light**

Indicates the power-supply state.

**6. Padlock ring(s)**

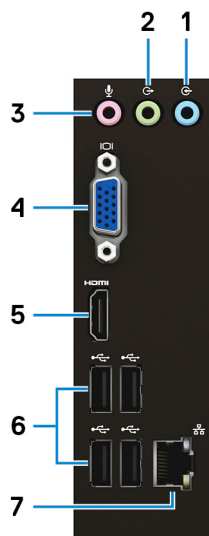
Attach a standard padlock to prevent unauthorized access to the interior of your computer.

**7. Security-cable slot (for Kensington locks)**

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



# Back panel



## 1. Line-in port

Connect recording or playback devices such as a microphone or CD player.

## 2. Line-out port

Connect speakers.

## 3. Microphone port

Connect an external microphone to provide sound input.

## 4. VGA port

Connect an external display or a projector.

## 5. HDMI port

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

## 6. USB 2.0 ports (4)

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps.

## 7. Network port (with lights)

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.

The two lights next to the connector indicate the connectivity status and network activity.

# Specifications of Inspiron 3471

## Dimensions and weight

Table 2. Dimensions and weight

Description	Values
Height	290 mm (11.42 in.)
Width	92.60 mm (3.65 in.)
Depth	292 mm (11.50 in.)
Weight	4.80 kg (10.58 lb)

**NOTE:** The weight of your computer depends on the configuration ordered and the manufacturing variability.

## Processors

Table 3. Processors

Description	Values				
Processors	9 <sup>th</sup> Generation Intel Core i3-9100	9 <sup>th</sup> Generation Intel Core i5-9400	9 <sup>th</sup> Generation Intel Core i7-9700	Intel Pentium Gold	Intel Celeron
Wattage	65 W	65 W	65 W	65 W	65 W
Core count	4	6	8	2	2
Thread count	4	6	8	4	4
Speed	Up to 4.2 GHz	Up to 4.1 GHz	Up to 4.7 GHz	Up to 1.6 GHz <b>NOTE:</b> The processor speed varies depending on the Intel Pentium Gold processor model.	Up to 3.6 GHz <b>NOTE:</b> The processor speed varies depending on the Intel Celeron processor model.
Cache	6 MB	9 MB	12 MB	4 MB	2 MB
Integrated graphics	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 610	Intel UHD Graphics 610

# Chipset

Table 4. Chipset

Description	Values
Chipset	Intel B365
Processor	<ul style="list-style-type: none"><li>9<sup>th</sup> Generation Intel Core i3/i5/i7</li><li>Intel Pentium Gold</li><li>Intel Celeron</li></ul>
Flash EPROM	32 MB
PCIe bus	Up to Gen3.0

# Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu

# Memory

Table 5. Memory specifications

Description	Values
Slots	Two UDIMM slots
Type	Dual-channel DDR4
Speed	<ul style="list-style-type: none"><li>2400 MHz (on computers shipped with 9<sup>th</sup> Generation Intel Core i3, Intel Pentium Gold, and Intel Celeron processors)</li><li>2666 MHz (on computers shipped with 9<sup>th</sup> Generation Intel Core i5/i7 processors)</li></ul>
Maximum memory	32 GB
Minimum memory	4 GB
Memory per slot	4 GB, 8 GB, or 16 GB
Configurations supported:	<ul style="list-style-type: none"><li>4 GB DDR4 (1 x 4 GB)</li><li>8 GB DDR4 (2 x 4 GB)</li><li>8 GB DDR4 (1 x 8 GB)</li><li>12 GB DDR4 (1 x 4 GB + 1 x 8 GB)</li><li>16 GB DDR4 (2 x 8 GB)</li><li>16 GB DDR4 (1 x 16 GB)</li><li>24 GB DDR4 (1 x 8 GB + 1 x 16 GB)</li><li>32 GB DDR4 (2 x 16 GB)</li></ul>

# Ports and connectors

Table 6. Ports and connectors

Description	Values
<b>External:</b>	
Network	One RJ45 port
USB	<ul style="list-style-type: none"><li>Four USB 2.0 ports</li><li>Two USB 3.1 Gen 1 ports</li></ul>
Audio	<ul style="list-style-type: none"><li>One headset (headphone and microphone combo) port</li><li>One microphone port</li><li>One audio line-in port</li><li>One audio line-out port</li><li>One VGA port</li><li>One HDMI-out 1.4b port</li></ul>
Video	<p><b>NOTE:</b> The video ports on your computer may vary depending on the graphics card(s) installed on your computer.</p>
Memory card reader	One SD-card slot
Power port	Power cord connector
Security	<ul style="list-style-type: none"><li>Padlock rings</li><li>Security-cable slot</li></ul>
<b>Internal:</b>	
PCIe expansion card slots	<ul style="list-style-type: none"><li>One PCIe x1 slot</li><li>One PCIe x16 slot</li></ul>
mSATA	Not supported
SATA	Four
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 2230/2280 slot for a SATA solid-state drive</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="#">SLN301626</a>.</p>

## Communications

### Ethernet

Table 7. Ethernet specifications

Description	Values
Model number	Ethernet controller integrated on the system board
Transfer rate	10/100/1000 Mbps

# Wireless module

Table 8. Wireless module specifications

Description	Values
Model number	Qualcomm DW1707
Transfer rate	Up to 150 Mbps
Frequency bands supported	2.4 GHz
Wireless standards	<ul style="list-style-type: none"><li>WiFi 802.11a/b/g</li><li>Wi-Fi 4 (WiFi 802.11n)</li></ul>
Encryption	<ul style="list-style-type: none"><li>64-bit/128-bit WEP</li><li>AES-CCMP</li><li>TKIP</li></ul>
Bluetooth	Bluetooth 4.0

# Media-card reader

Table 9. Media-card reader specifications

Description	Values
Type	SD card
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><li>MultiMediaCard (MMC)</li></ul>

**NOTE:** The maximum capacity supported by the media card varies depending on the standard of the media card used in your computer.

# Video

Table 10. Video specifications

Discrete graphics			
Controller	External display support	Memory size	Memory Type
NVIDIA GeForce GT730 LP	<ul style="list-style-type: none"><li>One HDMI 1.4b port</li><li>One DVI-D port</li></ul>	2 GB	GDDR5

Table 11. Video specifications

Integrated graphics			
Controller	External display support	Memory size	Processor
Intel UHD Graphics 630	One HDMI 1.4b port	Shared system memory	9 <sup>th</sup> Generation Intel Core i3/i5/i7
Intel UHD Graphics 610	One HDMI 1.4b port	Shared system memory	Intel Pentium Gold/ Intel Celeron

# Audio

**Table 12. Audio specifications**

Description	Values
Type	Integrated 5.1 Channel High-Definition Audio
Controller	Realtek ALC3820-CG
Stereo conversion	Supported
Internal interface	High definition audio interface
External interface	<ul style="list-style-type: none"> <li>One microphone port</li> <li>One headphone port</li> <li>One audio line-in port</li> <li>One audio line-out port</li> </ul>

# Storage

Your computer supports one of the following configurations:

- One 3.5-inch hard drive
- One 3.5-inch hard drive and one M.2 2230/2280 SATA solid-state drive
- Up to two 2.5-inch hard drives
- Up to two 2.5-inch hard drive(s) and one M.2 2230/2280 SATA solid-state drive

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

- with a M.2 solid-state drive, the M.2 solid-state drive is the primary drive
- without a M.2 drive, either the 3.5-inch hard drive or one of the 2.5-inch hard drives is the primary drive

**Table 13. Storage specifications**

Storage type	Interface type	Capacity
Slimline DVD +/-RW optical drive	SATA AHCI, up to 6 Gbps	Not applicable
2.5-inch hard drive	SATA AHCI, up to 6 Gbps	Up to 1 TB
<b>i NOTE: This computer is not shipped with a 2.5-inch hard drive. It is shipped with two empty 2.5-inch hard drive cages and a SATA extension cable.</b>		
3.5-inch hard drive	SATA AHCI, up to 6 Gbps	Up to 2 TB
M.2 2230/2280 solid-state drive	SATA AHCI, up to 6 Gbps	Up to 512 GB

# Power rating

**Table 14. Power rating specifications**

Description	Values	
Type	APFC Full Range 200 W	EPA Bronze 200 W
Input voltage	100 VAC–240 VAC	100 VAC–240 VAC
Input frequency	47 Hz–63 Hz	47 Hz–63 Hz

Description	Values	
Input current (maximum)	3.20 A/1.60 A	6.60 A/3.30 A
Output current (continuous)	16.50 A/14 A	16.50 A/14 A
Rated output voltage	12 VA/12 VB	12 VA/12 VB VDC
Temperature range:		
Operating	5°C to 45°C (41°F to 113°F)	5°C to 45°C (41°F to 113°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

## Computer environment

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

**Table 15. 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 (maximum)	-15.2 m to 3048 m (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 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.



‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

# 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 16. 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> <a href="http://www.dell.com/support/linux">www.dell.com/support/linux</a>
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	<a href="http://www.dell.com/support">www.dell.com/support</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. Type the subject or keyword in the <b>Search</b> box.</li> <li>3. Click <b>Search</b> to retrieve the related articles.</li> </ol>
Learn and know the following information about your product:	See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a> .
<ul style="list-style-type: none"> <li>• Product specifications</li> <li>• Operating system</li> <li>• Setting up and using your product</li> <li>• Data backup</li> <li>• Troubleshooting and diagnostics</li> <li>• Factory and system restore</li> <li>• BIOS information</li> </ul>	<p>To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following:</p> <ul style="list-style-type: none"> <li>• Select <b>Detect Product</b>.</li> <li>• Locate your product through the drop-down menu under <b>View Products</b>.</li> <li>• Enter the <b>Service Tag number</b> or <b>Product ID</b> in the search bar.</li> </ul>

## 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 on your purchase invoice, packing slip, bill, or Dell product catalog.**