

# Inspiron 3470

## 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.

© 2018 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.

# Contents

<b>1 Set up your computer.....</b>	<b>4</b>
<b>2 Create a USB recovery drive for Windows.....</b>	<b>7</b>
<b>3 Views.....</b>	<b>8</b>
Front.....	8
Back.....	9
<b>4 Specifications.....</b>	<b>11</b>
Computer model.....	11
System information.....	11
Operating system.....	11
Dimensions and weight.....	11
Memory.....	11
Ports and connectors.....	12
Communications.....	12
Wireless.....	12
Audio.....	13
Storage.....	13
Media-card reader.....	13
Power ratings.....	13
Video.....	14
Computer environment.....	14
<b>5 Getting help and contacting Dell.....</b>	<b>15</b>
Self-help resources.....	15
Contacting Dell.....	15

# Set up your computer

**CAUTION:** To ensure good airflow and prevent overheating, place the system in an open area, at least 2 inches/5 cm away from walls. Ensure that air vents on the system are clear of any obstructions.

- 1 Connect the keyboard and mouse.



**NOTE:** For setup instructions, see the documentation shipped with the keyboard and mouse.

- 2 Connect the network cable—Optional.

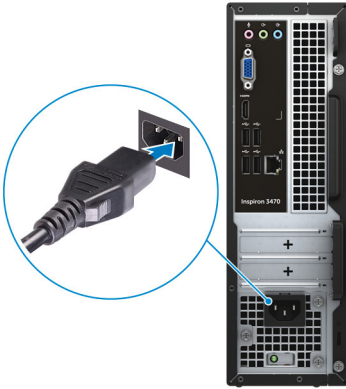


- 3 Connect the display.



**NOTE:** If you ordered your computer with a discrete graphics card, connect the display to the discrete graphics card.

- 4 Connect the power cable.



- 5 Press the power button.



- 6 Finish operating system setup.

**For Ubuntu:**

Follow the on-screen instructions to complete the setup.

**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.

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

**Table 1. Locate Dell apps**



**Dell Product Registration**

Register your computer with Dell.



### **Dell Help & Support**

Access help and support for your computer.

### **SupportAssist**

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 [www.dell.com/support](http://www.dell.com/support).



**NOTE:** In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.



### **Dell Update**

Updates your computer with critical fixes and latest device drivers as they become available.



### **Dell Digital Delivery**

Download software applications, which are purchased but not pre-installed on your computer.

- 8 Create recovery drive for Windows.

**NOTE:** It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).

# Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

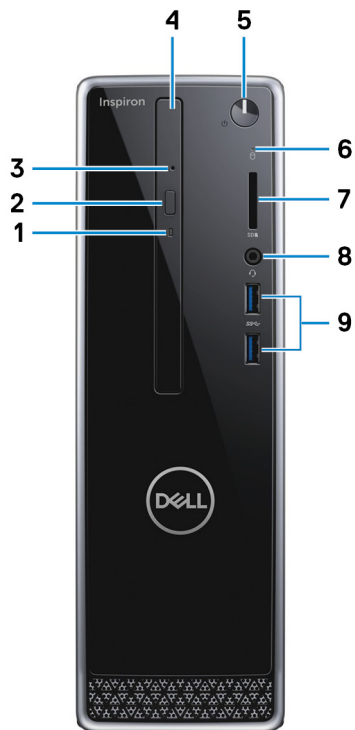
**NOTE:** This process may take up to an hour to complete.

**NOTE:** The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.  
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.  
The **Recovery Drive** window is displayed.
- 5 Select **Back up system files to the recovery drive** and click **Next**.
- 6 Select the **USB flash drive** and click **Next**.  
A message appears, indicating that all data in the USB flash drive will be deleted.
- 7 Click **Create**.
- 8 Click **Finish**.

For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

## 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](https://www.dell.com/support) at [www.dell.com/support](https://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.

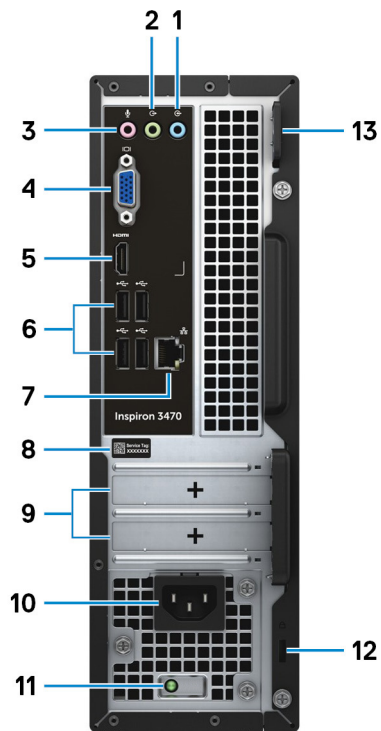
8 **Headset port**

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 **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.

8 **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.

9 **Expansion-card slots**

Provide access to ports on any installed PCI Express cards.

10 **Power port**

Connect a power cable to provide power to your computer.

11 **Power-supply diagnostics light**

Indicates the power-supply state.

12 **Security-cable slot (for Kensington locks)**

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

13 **Padlock ring(s)**

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

# Specifications

## Computer model

Inspiron 3470

## System information

**Table 2. System information**

Processor	<ul style="list-style-type: none"><li>• 8<sup>th</sup> Generation Intel Core i3/i5/i7</li><li>• Intel Celeron</li><li>• Intel Pentium DC</li></ul>
Chipset	Intel H370

## Operating system

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

## Dimensions and weight

**Table 3. Dimensions and weight**

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

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

## Memory

**Table 4. Memory specifications**

Slots	Two UDIMM slots
Type	Dual-channel DDR4
Speed	<ul style="list-style-type: none"><li>• 2400 MHz</li></ul>

Configurations supported

Per memory module slot

Total memory

- 2666 MHz
- 4 GB, 8 GB, and 16 GB
- 4 GB, 8 GB, 12 GB, 16 GB, 24 GB, and 32 GB

# Ports and connectors

Table 5. Ports and connectors

External:

Network

USB

- One RJ-45 port
- Four USB 2.0 ports
  - Two USB 3.1 Gen 1 ports

Audio/Video

- One headset port
- One microphone port
- One line-out port
- One line-in port
- One VGA port
- One HDMI-out 1.4 port

Internal:

M.2 card

- One M.2 card slot for Wi-Fi and Bluetooth combo card
- One M.2 card slot for solid-state drive (SATA)

# Communications

Table 6. Supported Communications

Ethernet

Wireless

- 10/100/1000 Mbps Ethernet controller integrated on system board
- Intel 9462 1x1ac + Bluetooth 5.0 (802.11ac + Bluetooth 5.0, 1x1)
  - Intel 9560 2x2ac + Bluetooth 5.0 (802.11ac + Bluetooth 5.0, 2x2)
  - DW 1707 + Bluetooth 4.0 (802.11b/g/n + Bluetooth 4.0, 1x1)

# Wireless

Table 7. Wireless

Type	DW1707	Intel 9462 1x1ac	Intel 9560 2x2ac
Transfer rate (maximum)	150 Mbps	305 Mbps/326 Mbps	1204 Mbps/1220 Mbps
Frequency bands	2.4 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Encryption	<ul style="list-style-type: none"><li>• 64-bit/128-bit WEP</li><li>• AES-CCMP</li></ul>	<ul style="list-style-type: none"><li>• 64-bit/128-bit WEP</li><li>• AES-CCMP</li></ul>	<ul style="list-style-type: none"><li>• 64-bit/128-bit WEP</li><li>• AES-CCMP</li></ul>

# Audio

**Table 8. Audio specifications**

Controller	Realtek ALC3820-CG
Type	Integrated 5.1 channel Intel High Definition Audio

# Storage

Your computer supports one hard drive and an optional optical drive.

**Table 9. Storage specifications**

Storage type	Interface type	Capacity
One slimline DVD+/-RW optical drive	SATA 6 Gbps	N/A
Two 2.5-inch hard drive	SATA 6 Gbps	Up to 1 TB
One 3.5-inch hard drive	SATA 6 Gbps	Up to 2 TB
One M.2 2280 solid-state drive	SATA 6 Gbps	Up to 512 GB

# Media-card reader

**Table 10. Media-card reader specifications**

Type	One SD-card slot
Cards supported	SD card

# Power ratings

**Table 11. Power ratings**

Type	200W APFC	200W Bronze	200W NPFC
Input voltage	90 VAC-264 VAC	90 VAC-264 VAC	90 VAC-132 VAC, 180 VAC-264 VAC
Input frequency	47 Hz-63 Hz	47 Hz-63 Hz	47 Hz-63 Hz
Input current (maximum)	3.20 A/1.60 A	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	16.50 A/14 A
<b>NOTE:</b> Maximum continuous total DC output power shall not exceed 200W.			
Rated output voltage	12 VA/12 VB	12 VA/12 VB	12 VA/12 VB
Temperature range:			
Operating		5°C to 45°C (41°F to 113°F)	
Storage		-40°C to 70°C (-40°F to 158°F)	

# Video



Table 12. Video specifications

	Integrated	Discrete
Controller	<ul style="list-style-type: none"><li>Intel UHD 610 Graphics</li><li>Intel UHD 630 Graphics</li></ul>	NVIDIA GT710 LP
Memory	Shared system memory	2 GB

## Computer environment

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

Table 13. Computer environment

	Operating	Storage
Temperature range	10°C to 35°C (50°F to 95°F)	–40°C to 65°C (–40°F to 149°F)
Relative humidity (maximum)	20% to 80% (non-condensing)   <b>NOTE: Maximum dew point temperature = 26°C</b>	5% to 95% (non-condensing)   <b>NOTE: Maximum dew point temperature = 33°C</b>
Vibration (maximum)*	0.26 GRMS	1.37 GRMS
Shock (maximum)	40 G <sup>†</sup>	105 G <sup>‡</sup>

\* 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 14. Self-help resources**

Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
Dell Help & Support 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>
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:	<p>See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a>.</p> <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>
<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>	

## 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 and product, and some services may not be available in your country.

**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.