

# Inspiron 3668

## Setup and Specifications

**Computer Model:** Inspiron 3668  
**Regulatory Model:** D19M  
**Regulatory Type:** D19M003



# Notes, cautions, and warnings

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**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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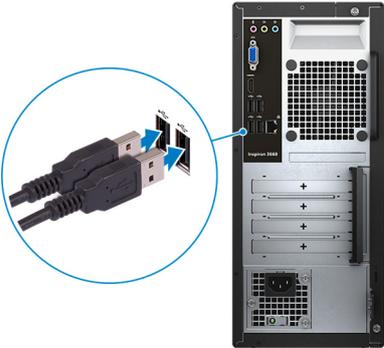
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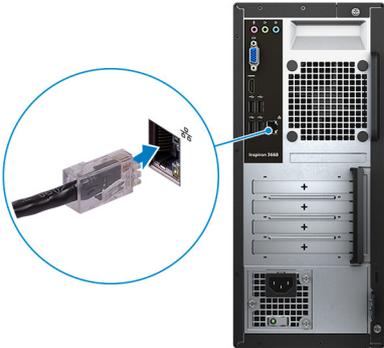
# Set up your computer

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- 1 Connect the keyboard and mouse.  
See the documentation that shipped with the keyboard and mouse.



- 2 Connect the network cable — optional.



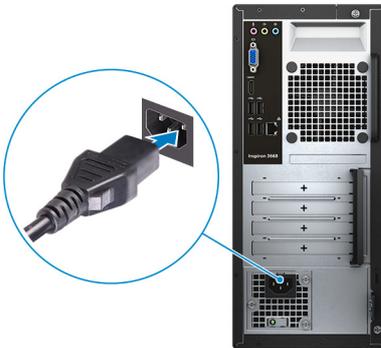
- 3 Connect the display.



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

**NOTE:** For more information about setting up multiple monitors, see the knowledge base article [SLN129825](https://www.dell.com/support) at <https://www.dell.com/support>.

- 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 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.

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: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</b></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="http://www.dell.com/support">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="http://www.dell.com/support">153764</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

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

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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.

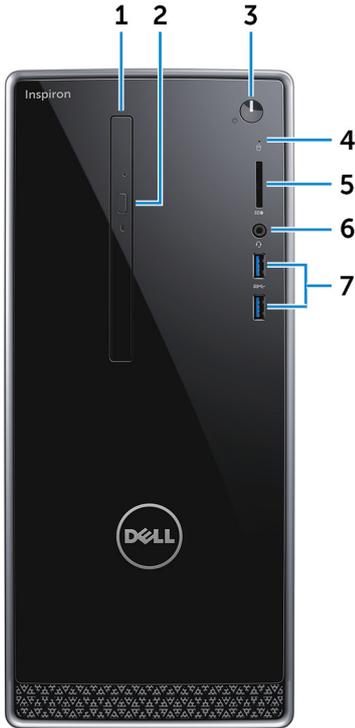
- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.  
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.  
The **Recovery Drive** window is displayed.
- 5 Select **Back up 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).

# Views

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## Front



- 1 Optical drive (optional)**  
Reads from and writes to CDs and DVDs.
- 2 Optical-drive eject button**  
Press to open the optical drive tray.
- 3 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).

4 **Hard-drive activity light**

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

5 **Media-card reader**

Reads from and writes to media cards.

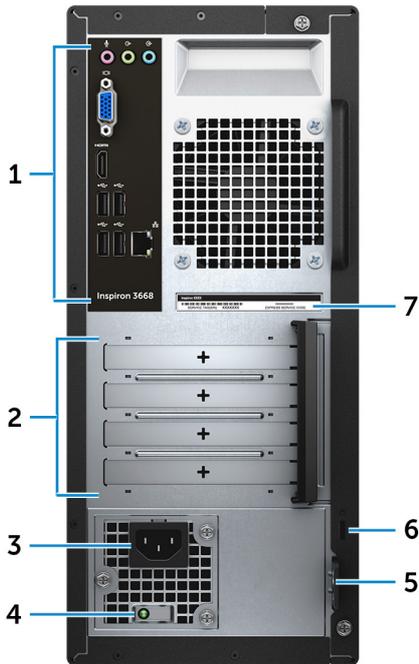
6 **Headset port**

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

7 **USB 3.0 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 Expansion-card slots**

Provide access to ports on any installed PCI Express cards.

**3 Power port**

Connect a power cable to provide power to your computer.

**4 Power-supply diagnostic light**

Indicates the power-supply state.

**5 Padlock ring(s)**

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

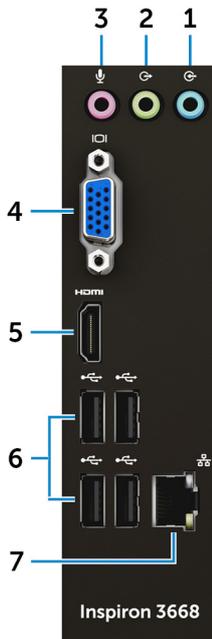
6 **Security-cable slot**

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

7 **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.

## 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 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

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## Dimensions and weight

**Table 2. Dimensions and weight**

Height	352.90 mm (13.90 in)
Width	154 mm (6.06 in)
Depth	303 mm (11.93 in)
Weight (approximate)	5.90 kg (13.01 lb)



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

## System information

**Table 3. System information**

Computer model	Inspiron 3668
Processor	<ul style="list-style-type: none"><li>• Intel Core i3/i5/i7</li><li>• Intel Celeron</li><li>• Intel Pentium</li></ul>
Chipset	Intel H110

## Memory

**Table 4. Memory specifications**

Slots	Two U-DIMM slots
Type	DDR4
Speed	<ul style="list-style-type: none"><li>• 2133 MHz (Intel Celeron)</li></ul>

Configurations supported

- 2400 MHz (Intel Pentium and Intel Core i3/i5/i7)
- 2 GB DDR4 at 2400 MHz (1 x 2 GB)
- 4 GB DDR4 at 2400 MHz (2 x 2 GB)
- 8 GB DDR4 at 2400 MHz (2 x 4 GB)
- 16 GB DDR4 at 2400 MHz (2 x 8 GB)

## Ports and connectors

**Table 5. Ports and connectors**

### **External:**

Network

One RJ45 port

USB

- Four USB 2.0 ports
- Two USB 3.0 ports

Audio/Video

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

### **Internal:**

M.2 card

One M.2 card slot for Wi-Fi and Bluetooth combo card

PCIe slots

- Two PCIe x1 card slots
- One PCIe x16 card slot

# Media-card reader

**Table 6. Media-card reader specifications**

Type	One 5-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD card</li><li>• SD High Capacity (SDHC) card</li><li>• SD Extended Capacity (SDXC) card</li><li>• MultiMediaCard (MMC)</li><li>• MultiMediaCard Plus (MMC Plus)</li></ul>

# Communications

**Table 7. Supported Communications**

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"><li>• Up to Wi-Fi 802.11ac/n</li><li>• Bluetooth 4.0</li></ul>

# Audio

**Table 8. Audio specifications**

Controller	Realtek ALC3820
Type	Integrated 5.1 channel Intel High Definition Audio

# Storage

Your computer supports one 3.5-inch hard drive or two 2.5-inch hard drives/solid-state drives.

**Table 9. Storage specifications**

Interface	<ul style="list-style-type: none"><li>• SATA 1.5 Gbps for optical drive</li></ul>
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Hard drive	<ul style="list-style-type: none"> <li>• SATA 6 Gbps for hard drive</li> <li>• One 2.5-inch hard drive</li> <li>• One 3.5-inch hard drive</li> </ul>
Solid-state drive	One 2.5-inch solid-state drive
Optical drive	One 9.5-mm DVD+/-RW drive

## Power ratings

**Table 10. Power ratings**

Input voltage	100 VAC to 240 VAC
Input frequency	50 Hz to 60 Hz
Input current (maximum)	4.0 A

## Video

**Table 11. Video specifications**

	Integrated	Discrete
Controller	Intel HD Graphics	<ul style="list-style-type: none"> <li>• NVIDIA GeForce GT710FH</li> <li>• NVIDIA GeForce GT730</li> <li>• NVIDIA GeForce GTX750Ti</li> <li>• AMD Radeon R9 360</li> </ul>
Memory	Shared system memory	<ul style="list-style-type: none"> <li>• 2 GB DDR3</li> <li>• 2 GB GDDR5</li> </ul>

## Computer environment

Airborne contaminant level: G2 or lower as defined by ISA-S71.04-1985

Relative humidity (maximum): 20% to 80% (non-condensing)

**Table 12. Computer environment**

	<b>Operating</b>	<b>Storage</b>
Temperature range	10°C to 35°C (50°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Vibration (maximum)*	0.25 GRMS	2.20 GRMS
Shock (maximum)	40 G for 2 ms with a change in velocity of 20 in/s (51 cm/s)†	50 G for 26 ms with a change in velocity of 320 in/s (813 cm/s)‡
Altitude (maximum)	-15.24 m to 3048 m (-50 ft to 10,000 ft)	-15.24 m to 10,668 m (-50 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.

‡ 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 13. 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 <b>Contact Support</b> , 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> .

Self-help resources	Resource location
<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 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.**