Inspiron 3668
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 computer

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 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.

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

<table>
<thead>
<tr>
<th>Resources</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>My Dell</td>
<td>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.</td>
</tr>
<tr>
<td>SupportAssist</td>
<td>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>. NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</td>
</tr>
<tr>
<td>Dell Update</td>
<td>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 SLN305843 at <a href="http://www.dell.com/support">www.dell.com/support</a>.</td>
</tr>
<tr>
<td>Dell Digital Delivery</td>
<td>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 153764 at <a href="http://www.dell.com/support">www.dell.com/support</a>.</td>
</tr>
</tbody>
</table>

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.
Views

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.

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.
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 transfers 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

Dimensions and weight

Table 2. Dimensions and weight

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>352.90 mm (13.90 in)</td>
</tr>
<tr>
<td>Width</td>
<td>154 mm (6.06 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>303 mm (11.93 in)</td>
</tr>
<tr>
<td>Weight (approximate)</td>
<td>5.90 kg (13.01 lb)</td>
</tr>
</tbody>
</table>

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

System information

Table 3. System information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer model</td>
<td>Inspiron 3668</td>
</tr>
<tr>
<td>Processor</td>
<td>• Intel Core i3/i5/i7</td>
</tr>
<tr>
<td></td>
<td>• Intel Celeron</td>
</tr>
<tr>
<td></td>
<td>• Intel Pentium</td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel H110</td>
</tr>
</tbody>
</table>

Memory

Table 4. Memory specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Slots</td>
<td>Two U-DIMM slots</td>
</tr>
<tr>
<td>Type</td>
<td>DDR4</td>
</tr>
<tr>
<td>Speed</td>
<td>• 2133 MHz (Intel Celeron)</td>
</tr>
</tbody>
</table>
• 2400 MHz (Intel Pentium and Intel Core i3/i5/i7)

Configurations supported

• 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

<table>
<thead>
<tr>
<th>Type</th>
<th>One 5-in-1 slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cards supported</td>
<td></td>
</tr>
<tr>
<td>• SD card</td>
<td></td>
</tr>
<tr>
<td>• SD High Capacity (SDHC) card</td>
<td></td>
</tr>
<tr>
<td>• SD Extended Capacity (SDXC) card</td>
<td></td>
</tr>
<tr>
<td>• MultiMediaCard (MMC)</td>
<td></td>
</tr>
<tr>
<td>• MultiMediaCard Plus (MMC Plus)</td>
<td></td>
</tr>
</tbody>
</table>

Communications

Table 7. Supported Communications

<table>
<thead>
<tr>
<th>Ethernet</th>
<th>10/100/1000 Mbps Ethernet controller integrated on system board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless</td>
<td>Up to Wi-Fi 802.11ac/n</td>
</tr>
<tr>
<td></td>
<td>Bluetooth 4.0</td>
</tr>
</tbody>
</table>

Audio

Table 8. Audio specifications

<table>
<thead>
<tr>
<th>Controller</th>
<th>Realtek ALC3820</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Integrated 5.1 channel Intel High Definition Audio</td>
</tr>
</tbody>
</table>

Storage

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

Table 9. Storage specifications

<table>
<thead>
<tr>
<th>Interface</th>
<th>SATA 1.5 Gbps for optical drive</th>
</tr>
</thead>
</table>
• SATA 6 Gbps for hard drive

Hard drive
• One 2.5-inch hard drive
• One 3.5-inch hard drive

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>100 VAC to 240 VAC</td>
</tr>
<tr>
<td>Input frequency</td>
<td>50 Hz to 60 Hz</td>
</tr>
<tr>
<td>Input current (maximum)</td>
<td>4.0 A</td>
</tr>
</tbody>
</table>

## Video

### Table 11. Video specifications

<table>
<thead>
<tr>
<th></th>
<th>Integrated</th>
<th>Discrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller</td>
<td>Intel HD Graphics</td>
<td>• NVIDIA GeForce GT710FH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• NVIDIA GeForce GT730</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• NVIDIA GeForce GTX750Ti</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• AMD Radeon R9 360</td>
</tr>
<tr>
<td>Memory</td>
<td>Shared system memory</td>
<td>• 2 GB DDR3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 2 GB GDDR5</td>
</tr>
</tbody>
</table>

## 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

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

* 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

<table>
<thead>
<tr>
<th>Self-help resources</th>
<th>Resource location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information about Dell products and services</td>
<td><a href="http://www.dell.com">www.dell.com</a></td>
</tr>
<tr>
<td>My Dell</td>
<td></td>
</tr>
<tr>
<td>Tips</td>
<td></td>
</tr>
<tr>
<td>Contact Support</td>
<td>In Windows search, type Contact Support, and press Enter.</td>
</tr>
<tr>
<td>Online help for operating system</td>
<td><a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a></td>
</tr>
<tr>
<td></td>
<td><a href="http://www.dell.com/support/linux">www.dell.com/support/linux</a></td>
</tr>
<tr>
<td>Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.</td>
<td><a href="http://www.dell.com/support">www.dell.com/support</a></td>
</tr>
<tr>
<td>Dell knowledge base articles for a variety of computer concerns.</td>
<td>1 Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</td>
</tr>
<tr>
<td></td>
<td>2 Type the subject or keyword in the Search box.</td>
</tr>
<tr>
<td></td>
<td>3 Click Search to retrieve the related articles.</td>
</tr>
<tr>
<td>Learn and know the following information about your product:</td>
<td>See Me and My Dell at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a>.</td>
</tr>
</tbody>
</table>
Self-help resources

- Product specifications
- Operating system
- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics
- Factory and system restore
- BIOS information

Resource location

To locate the *Me and My Dell* relevant to your product, identify your product through one of the following:

- Select Detect Product.
- Locate your product through the drop-down menu under View Products.
- Enter the Service Tag number or Product ID in the search bar.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see 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.