# **Inspiron 3670**

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.
- Marning: A WARNING indicates a potential for property damage, personal injury, or death.

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# Contents

1 Set up your computer	4
2 Create a USB recovery drive for Windows	7
3 Views of Inspiron 3670	8
Front	
Back	
Back panel	
4 Specifications of Inspiron 3670	12
Computer model	
System information	
Dimensions and weight	
Operating system	
Memory	13
Ports and connectors	13
Communications	
Wireless	14
Audio	14
Storage	14
Intel Optane memory	14
Media-card reader	
Power ratings	
Video	
Computer environment	16
5 Intel Optane memory	17
Enabling Intel Optane memory	
Disabling Intel Optane memory	
6 Getting help and contacting Dell	
Self-help resources	
Contacting Dell	

### Set up your computer

1 Connect the keyboard and mouse.



(i) NOTE: For setup instructions, see the documentation shipped with the keyboard and mouse.

2 Connect the network cable—Optional.



3 Connect the display.



Image: Note: If you ordered your computer with a discrete graphics card, connect the display to the discrete graphics card. Connect the power cable.

4



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 configuring the Ubuntu install, see the knowledge base article SLN151664 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.

(i) 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
Deell	My Dell

#### 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.

#### 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.

#### () 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. For more information about using Dell Update, see the knowledge base article SLN305843 at www.dell.com/support.

### **Dell Digital Delivery**

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 www.dell.com/support.

#### 8 Create recovery drive for Windows.

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.

- (i) NOTE: This process may take up to an hour to complete.
- (i) 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 of Inspiron 3670

### Front



### 1 Optical drive

Reads from and writes to CDs and DVDs.

### 2 **Optical-drive activity light**

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

### 3 Optical-drive eject button

Press to open the optical drive tray.

### 4 Optical-drive emergency eject pinhole

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

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

#### 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.

### (i) 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.

#### 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 Headphone/speaker port

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

### 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-supply diagnostics button

Press to check the power-supply state.

#### 5 Power-supply diagnostics light

Indicates the power-supply state.

6 Power port

Connect a power cable to provide power to your computer.

#### 7 Padlock ring(s)

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

### 8 Security-cable slot (for Kensington locks)

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

### **Back panel**



#### 1 Microphone port

Connect an external microphone to provide sound input.

### 2 HDMI port

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

### 3 VGA port

Connect an external display or a projector.

### 4 USB 2.0 ports (4)

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

### 5 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.

### 6 Line-out port

Connect speakers.

### 7 Line-in port

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

# **Specifications of Inspiron 3670**

the configuration ordered and the manufacturing

### **Computer model**

Inspiron 3670

### System information

#### Table 2. System information

Description	Values
Processor	<ul> <li>9<sup>th</sup> Generation Intel Core i3/i5/i7</li> <li>Intel Pentium Gold</li> <li>Intel Celeron</li> </ul>
Chipset	Intel B360
Dimensions and weight	

### Table 3. Dimensions and weight

-	
Description	Values
Height	373.70 mm (14.71 in.)
Width	160 mm (6.30 in.)
Depth	294 mm (11.57 in.)
Weight	5.90 kg (13 lb)
	() NOTE: The weight of your computer varies depending on

variability.

### **Operating system**

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

### Memory

### Table 4. Memory specifications

Description	Values
Slots	Two UDIMM slots
Туре	Dual-channel DDR4
Speed	2400 MHz and 2666 MHz
Configurations supported:	
Per memory module slot	4 GB, 8 GB, and 16 GB
Total memory	4 GB, 8 GB, 12 GB, 16 GB, 24 GB, and 32 GB

### Ports and connectors

#### Table 5. Ports and connectors

External:	
Front	
USB	Two USB 3.1 Gen 1 ports
Audio/Video	One headset (headphone and microphone combo) port
Back	
Network	One RJ-45 port
USB	Four USB 2.0 ports
Audio/Video	<ul> <li>One microphone port</li> <li>One line-in port</li> <li>One line-out port</li> <li>One HDMI-out port</li> <li>One VGA port</li> </ul>

### Table 6. Ports and connectors

### Internal:

M.2 card

• One M.2 2230 slot for wireless and bluetooth combo card

 One M.2 2230/2280 slot for Solid-State Drive (SSD)/Intel Optane memory

### Communications

### Table 7. Supported communications

Description	Values
Ethernet	10/100/1000 Mbps controller integrated on the system board
Wireless	• 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 8. Wireless

Description	Values	Values	Values
Туре	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> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>	<ul> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>	<ul> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>

### **Audio**

#### Table 9. Audio specifications

Description	Values
Controller	Realtek ALC3820-CG

### Storage

#### Table 10. Storage specifications

Туре	Interface	Capacity
One 3.5-inch Hard-Disk Drive (HDD)	SATA AHCI, Up to 6 Gbps	Up to 2 TB
Up to two 2.5-inch Hard-Disk Drives (HDD)	SATA AHCI, Up to 6 Gbps	Up to 1 TB
One M.2 2280 Solid-State Drive (SSD)	PCle 3 x4 NVME, Up to 32 Gbps	Up to 512 GB
One Optical-Disk Drive (ODD)	SATA, up to 3 Gbps	N/A

### Intel Optane memory

Intel Optane memory functions as a storage accelerator. It accelerates the computer and any type of SATA-based storage media such as hard drives and solid-state drives (SSDs).

() NOTE: Intel Optane memory is supported on computers that meet the following requirements:

- 7<sup>th</sup> Generation or higher Intel Core i3/i5/i7 processor
- · Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.5.xxxx or higher

### Table 11. Intel Optane memory

Description	Values
Interface	PCle Gen 3 x4, NVMe
Connector	M.2
Configurations supported	16 GB and 32 GB

(i) NOTE: For more information about enabling or disabling the Intel Optane memory, see Enabling Intel Optane memory or Disabling Intel Optane memory.

### Media-card reader

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

Description	Values
Туре	One SD-card slot
Cards supported	<ul> <li>SD</li> <li>SD High Capacity (SDHC)</li> <li>SD Extended Capacity (SDXC)</li> </ul>

MultiMediaCard (MMC) •

### **Power ratings**

### Table 13. Power ratings

Description	Values	Values	Values
Туре	290 W APFC	290 W Bronze	365 W Gold
Input voltage	100 VAC-240 VAC	100 VAC-240 VAC	100 VAC-240 VAC
Input frequency	47 Hz-63 Hz	47 Hz-63 Hz	47 Hz-63 Hz
Input current (maximum)	· 90 VAC/5.4 A	· 90 VAC/5.4 A	• 90 VAC/5 A
	· 180 VAC/2.7 A	· 180 VAC/2.7 A	· 180 VAC/2.5 A
Output current (continuous)	• 12 VA/14 A	• 12 VA/14 A	· 12 VA/14 A
	· 12 VB/16 A	· 12 VB/16 A	• 12 VB/18 A
	· 12 VSB/1.6 A	· 12 VSB/1.6 A	· 12 VC/11 A
	(i) NOTE: Maximum	() NOTE: Maximum	• 12 VSB/1.6 A
	continuous DC outpu power will not exceed 290 W	t continuous DC output	(i) NOTE: Maximum continuous DC output power will not exceed 365 W
Rated output voltage	· 12 VA	• 12 VA	• 12 VA
	• 12 VB	• 12 VB	· 12 VB
	• 12 VSB	• 12 VSB	· 12 VC
			• 12 VSB

Temperature range: Operating 5°C to 50°C (41°F to 122°F) 5°C to 50°C (41°F to 122°F) 5°C to 50°C (41°F to 122°F)

Description	Values	Values	Values
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)	–40°C to 70°C (–40°F to 158°F)	–40°C to 70°C (–40°F to 158°F)

### Video

### Table 14. Video specifications

Туре	Controller	Memory
Integrated	Intel UHD Graphics 630 for 8 <sup>th</sup> and 9 <sup>th</sup> Generation Intel Core processors	Shared system memory
	Intel UHD Graphics 610 for Pentium and Celeron processors	Shared system memory
Discrete	NVIDIA GeForce GT 710	2 GB
	NVIDIA GeForce GTX 1030	2 GB
	NVIDIA GeForce GTX 1050	2 GB
	NVIDIA GeForce GTX 1050 TI	4 GB
	NVIDIA GeForce GTX 1060	3 GB

### **Computer environment**

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

### Table 15. Computer environment

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

\* Measured using a random vibration spectrum that simulates user environment.

 $\ensuremath{^\dagger}$  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.

## Intel Optane memory

### **Enabling Intel Optane memory**

- 1 On the taskbar, click the search box, and then type Intel Rapid Storage Technology.
- 2 Click Intel Rapid Storage Technology.
- The Intel Rapid Storage Technology window is displayed.
- 3 On the **Status** tab, click **Enable** to enable the Intel Optane memory.
- 4 On the warning screen, select a compatible fast drive, and then click Yes to continue enabling Intel Optane memory.
- 5 Click Intel Optane memory > Reboot to complete enabling your Intel Optane memory.

I NOTE: Applications may take up to three subsequent launches after enablement to see the full performance benefits.

### **Disabling Intel Optane memory**

- CAUTION: After disabling Intel Optane memory, do not uninstall the driver for Intel Rapid Storage Technology as it will result in a blue screen error. The Intel Rapid Storage Technology user interface can be removed without uninstalling the driver.
- NOTE: Disabling Intel Optane memory is required before removing the SATA storage device accelerated by the Intel Optane memory module from the computer.
- 1 On the taskbar, click the search box, and then type Intel Rapid Storage Technology.
- Click Intel Rapid Storage Technology.
   The Intel Rapid Storage Technology window is displayed.
- 3 On the Intel Optane memory tab, click **Disable** to disable the Intel Optane memory.

INOTE: For computers in which Intel Optane memory acts as a primary storage, do not disable the Intel Optane memory. The Disable option will be grayed out.

- 4 Click **Yes** if you accept the warning. The disabling progress is displayed.
- 5 Click **Reboot** to complete disabling your Intel Optane memory and restart your computer.

# **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 www.dell.com My Dell Tips Contact Support In Windows search, type Contact Support, and press Enter. Online help for operating system www.dell.com/support/windows www.dell.com/support/linux www.dell.com/support Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on. Dell knowledge base articles for a variety of computer concerns. 1 Go to www.dell.com/support. 2 Type the subject or keyword in the **Search** box. 3 Click Search to retrieve the related articles.

Learn and know the following information about your product:

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

See Me and My Dell at www.dell.com/support/manuals.

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.
- $\cdot$  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.

(i) 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.

5