

# Inspiron 14 7000

## 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 Inspiron 14-7472

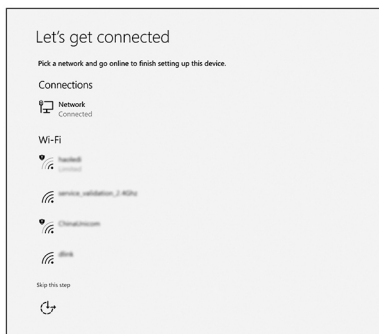
- 1 Connect the power adapter and press the power button.



- 2 Finish operating system setup.

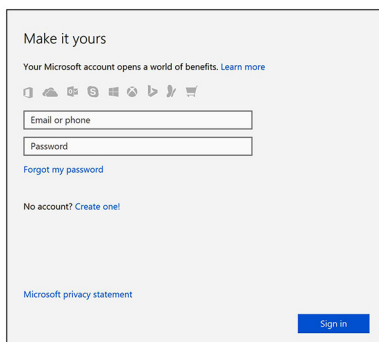
## For Windows:

- a Connect to a network.



**NOTE:** If you are connecting to a secured wireless network, enter the password for the wireless network access when prompted.

- b Sign in to your Microsoft account or create a new account.







### For Ubuntu:

Follow the instructions on the screen to finish setup.

- 3 Explore Dell resources on your desktop.

**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>

- 4 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).

## Reinstall Windows using a USB recovery drive

**CAUTION:** This process formats the hard drive and removes all data on your computer. Ensure that you back up data on your computer before beginning this task.

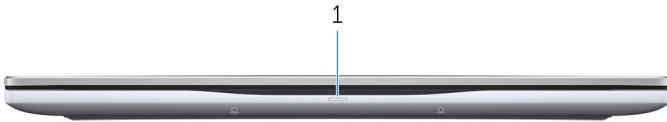
**NOTE:** Before reinstalling Windows, ensure your computer has more than 2 GB of memory and more than 32 GB of storage space.

**NOTE:** This process may take up to an hour to complete and your computer will restart during the recovery process.

- 1 Connect the USB recovery drive to your computer.
- 2 Restart your computer.
- 3 Press F12 after the Dell logo is displayed on the screen to access the boot menu.  
A **Preparing one-time boot menu** message appears.
- 4 After the boot menu loads, select the USB recovery device under **UEFI BOOT**.  
The system reboots and a screen to **Choose the keyboard layout** is displayed.
- 5 Choose your keyboard layout.
- 6 In the **Choose an option** screen, click **Troubleshoot**.
- 7 Click **Recover from a drive**.
- 8 Choose one of the following options:
  - **Just remove my files** to do a quick format.
  - **Fully clean the drive** to do a complete format.
- 9 Click **Recover** to start the recovery process.

# Views of Inspiron 14-7472

## Front



### 1 Power and battery-status light/hard-drive activity light

Indicates the battery-charge status or the hard-drive activity.

**NOTE:** Press Fn+H to toggle between the power and battery-status light, and hard-drive activity light.

#### Hard-drive activity light

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

#### Power and battery-status light

Indicates the power and battery-charge status.

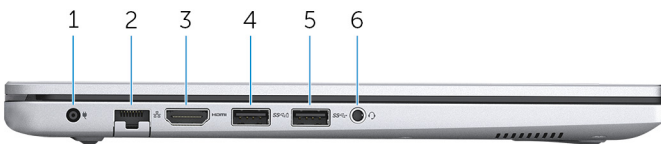
**Solid white** — Power adapter is connected and the battery has more than 5% charge.

**Amber** — Computer is running on battery and the battery has less than 5% charge.

#### Off

- Power adapter is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 5% charge.
- Computer is in sleep state, hibernation, or turned off.

## Left



### 1 Power-adapter port

Connect a power adapter to provide power to your computer and charge the battery.

### 2 Network port

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

### 3 HDMI port

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

#### 4 **USB 3.1 Gen 1 port with PowerShare**

Connect peripherals such as external storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

**NOTE:** If your computer is turned off or in hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in the BIOS setup program.

**NOTE:** Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

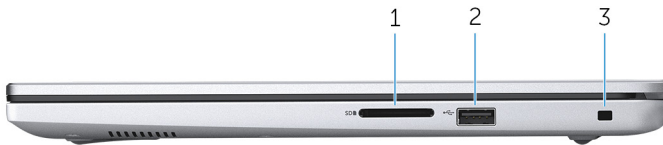
#### 5 **USB 3.1 Gen 1 port**

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

#### 6 **Headset port**

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

## Right



#### 1 **SD-card slot**

Reads from and writes to the SD card.

#### 2 **USB 2.0 port**

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

#### 3 **Security-cable slot (wedge-shaped)**

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



# Base



## 1 Left-click area

Press to left-click.

## 2 Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two finger tap to right-click.

## 3 Right-click area

Press to right-click.

## 4 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).

# Display



1 **HD Camera**

Enables you to video chat, capture photos and record videos in high-definition.

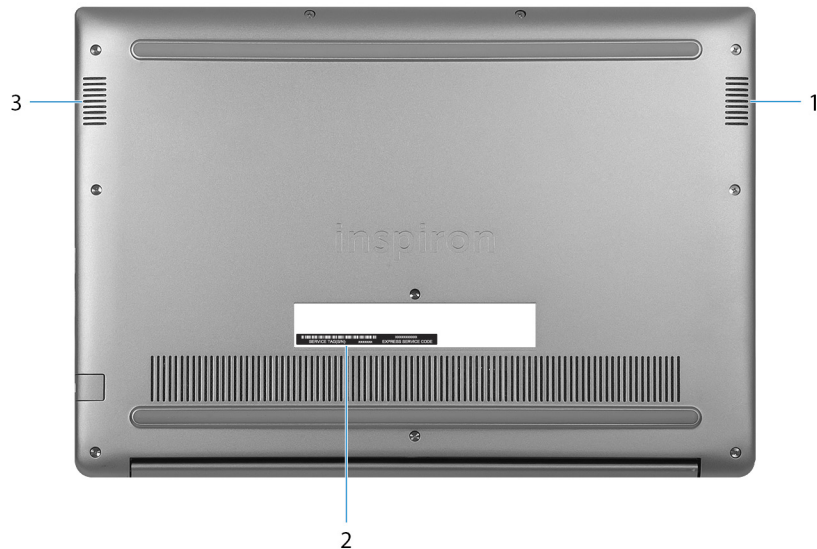
2 **Camera-status light**

Turns on when the camera is in use.

3 **Digital-array microphones (2)**

Provide digital sound input for audio recording, voice calls, and so on.

## Bottom



1 **Right speaker**

Provides audio output.

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 **Left speaker**

Provides audio output.

# Specifications of Inspiron 14-7472

## Computer model

**Table 2. Computer model**

Computer model	Inspiron 14-7472
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## System information

**Table 3. System information**

Processor	8 <sup>th</sup> generation Intel Core i5/i7
Chipset	Integrated in the processor

## Operating system

**Table 4. Operating system**

Operating systems supported	<ul style="list-style-type: none"> <li>• Ubuntu</li> <li>• Windows 10 Value Plus</li> <li>• Windows 10 Pro Standard</li> <li>• Windows 10 Home Standard</li> <li>• Windows 10 Home Plus</li> </ul>
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## Dimensions and weight

**Table 5. Dimensions and weight**

Height	18.95 mm (0.75 in)
Width	323.30 mm (12.73 in)
Depth	227.10 mm (8.94 in)
Weight (approximate)	1.60 kg (3.53 lbs)

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

# Memory

**Table 6. Memory specifications**

Slots	One SODIMM slot
Type	DDR4
Speed	2400 MHz
Configurations supported:	
Per memory module slot	4 GB, 8 GB, and 16 GB
Total memory	4 GB, 8 GB, and 16 GB

# Ports and connectors

**Table 7. External ports and connectors**

**External:**

Network	One RJ-45 port
USB	<ul style="list-style-type: none"><li>• One USB 2.0 port</li><li>• One USB 3.1 Gen 1 port</li><li>• One USB 3.1 Gen 1 port with PowerShare</li></ul>
Audio/Video	<ul style="list-style-type: none"><li>• One HDMI 1.4a port</li><li>• One headset (headphone and microphone combo) port</li></ul>

**Table 8. Internal ports and connectors**

**Internal:**

M.2 card	<ul style="list-style-type: none"><li>• One M.2 slot for SSD card (SATA)</li><li>• One M.2 slot for WiFi/Bluetooth</li></ul>
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# Communications

**Table 9. Supported Communications**

Ethernet	100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"><li>• WiFi 802.11ac</li><li>• Bluetooth 4.1/Bluetooth 4.2</li></ul>

 **NOTE: Windows 10 currently supports up to Bluetooth 4.1.**

# Wireless module

Table 10. Wireless module specifications

Transfer rate	Up to 867 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz
Encryption	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>

# Audio

Table 11. Audio specifications

Controller	Realtek ALC3246 with Waves MaxxAudio Pro
Speakers	Two
Speaker output	
Average	2 W
Peak	2.5 W
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

# Storage

Your computer supports one of the following configurations:

- One 2.5-inch hard drive
- One M.2 PCIe solid-state drive
- One M.2 PCIe solid-state drive and one 2.5-inch hard drive

Table 12. Storage specifications

Interface	<ul style="list-style-type: none"><li>• SATA 6 Gbps</li><li>• PCIe Gen3 x 4/NVMe (version 1.1 to version 1.3)</li></ul>
Hard drive	One 2.5-inch drive (SATA)
Solid-state drive	One M.2 2230/2280 drive (SATA or PCIe/NVMe)
Capacity:	
Hard drive	Up to 1 TB
SSD	<ul style="list-style-type: none"><li>• SATA: Up to 256 GB</li><li>• PCIe/NVMe: Up to 512 GB</li></ul>

# Intel Optane memory (optional)

Intel Optane memory functions only as a storage accelerator. It neither replaces nor adds to the memory (RAM) installed on your computer.

**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)
- Latest version of Intel Rapid Storage Technology driver

Table 13. Intel Optane memory

Description	Values
Type	Storage accelerator
Interface	PCIe/NVMe Gen 3.0 x 2
Connector	M.2 2280
Configurations supported	16 GB and 32 GB
Capacity	Up to 32 GB

## Media-card reader

Table 14. Media-card reader specifications

Type	One 2-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• Secure Digital (supports SD 3.0)</li><li>• Multimedia Card (MMC)</li></ul>

## Keyboard

Table 15. Keyboard specifications

Type	<ul style="list-style-type: none"><li>• Non-backlit keyboard</li><li>• Backlit keyboard</li></ul>
Shortcut keys	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p><b>NOTE:</b> Press Fn+Esc to switch the primary behavior of the function keys (F1–F12) between two modes – multimedia key mode and function key mode.</p> <p><b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.</p>

[Keyboard shortcuts](#)

# Camera

Table 16. Camera specifications

Resolution	<ul style="list-style-type: none"><li>Still image: 1 megapixel</li><li>Video: 1280 x 720 (HD) at 30 fps</li></ul>
Diagonal viewing angle	74.6 degrees

# Touchpad

Table 17. Touchpad

Resolution	<ul style="list-style-type: none"><li>Horizontal: 1228</li><li>Vertical: 748</li></ul>
Dimensions	<ul style="list-style-type: none"><li>Width: 105 mm (4.14 in)</li><li>Height: 65 mm (2.56 in)</li></ul>

# Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article [4027871](https://support.microsoft.com/4027871) at [support.microsoft.com](https://support.microsoft.com).

# Battery

Table 18. Battery specifications

Type	3-cell “smart” lithium-ion (42 WHr)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range: Operating	0°C to 35°C (32°F to 95°F)
Temperature range: Storage	–40°C to 65°C (–40°F to 149°F)
Charging time when the computer is off (approximate)	4 hours
Coin-cell battery	CR-2032
Dimensions	
Width	97.15 mm (3.82 in)
Depth	184.15 mm (7.25 in)
Height	5.90 mm (0.23 in)
Weight (maximum)	0.20 kg (0.44 lb)
Voltage	11.40 VDC

# Display

**Table 19. Display specifications**

Type	14-inch FHD non-touch screen IPS (In-plane switching) panel
Resolution (maximum)	1920 x 1080
Viewing angle (Left/Right/Up/Down)	85/85/85/85
Pixel pitch	0.161 mm
Refresh rate	60 Hz
Operating angle	85 degrees
Controls	Brightness can be controlled using shortcut keys
Dimensions	
Height (excluding bezel)	173.95 mm (6.85 in)
Width (excluding bezel)	309.40 mm (12.18 in)
Diagonal (excluding bezel)	355.60 mm (14 in)

# Power adapter

**Table 20. Power adapter specifications**

Type	45W	65W
Input current (maximum)	1.30 A	1.50 A
Output current (continuous)	2.31 A	3.34 A
Diameter (connector)	4.5 mm	
Input voltage	100 VAC–240 VAC	
Input frequency	50 Hz–60 Hz	
Rated output voltage	19.50 VDC	
Temperature range: Operating	0°C to 40°C (32°F to 104°F)	
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)	

# Video

**Table 21. Video specifications**

	Integrated	Discrete
Controller	Intel UHD Graphics 620	NVIDIA GeForce MX150
Memory	Shared system memory	Up to 2 GB GDDR5

# Computer environment

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



**Table 22. Computer environment**

	<b>Operating</b>	<b>Storage</b>
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 (–50 ft to 10,000 ft)	–15.2 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.

# Keyboard shortcuts

**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.























Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, 2 is typed out; if you press **Shift** + **2**, @ is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn** + **Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn** + **F1**.

























**NOTE:** You can also define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.

**Table 23. List of keyboard shortcuts**

Function key	Re-defined key (for multi-media control)	Behavior
		Mute audio
		Decrease volume
		Increase volume
		Play previous track/chapter
		Play/Pause
		Play next track/chapter
		Switch to external display
		Search
		Toggle keyboard backlight (optional)
		Decrease brightness
		Increase brightness

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

**Table 24. List of keyboard shortcuts**



Function key	Behavior
 + 	Turn off/on wireless
 + 	Pause/Break
 + 	Sleep
 + 	Toggle scroll lock
 + 	Toggle between power and battery-status light/hard-drive activity light
 + 	System request
 + 	Open application menu
 + 	Toggle Fn-key lock
 + 	Page up
 + 	Page down
 + 	Home
 + 	End

# 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 25. 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:	<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>

## 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.