Inspiron 15 3000
Setup and Specifications

Computer Model: Inspiron 15-3576
Regulatory Model: P63F
Regulatory Type: P63F002

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 power adapter and press the power button.

2 Finish operating system setup.

For Ubuntu:

Follow the instructions on the screen to finish 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.

3 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

Proactively checks the health of your computer's hardware and software.

NOTE: Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.

Dell Update

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

Dell Digital Delivery

Download software applications including software that is purchased but not pre-installed on your computer.

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: 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**.

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

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.

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:

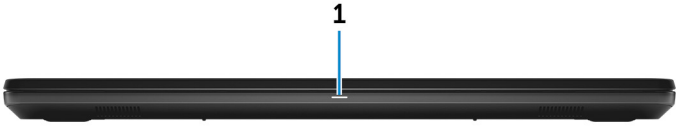
- **Just remove my files** to do a quick format.
- **Fully clean the drive** to do a complete format.

9 Click **Recover** to start the recovery process.

This may take up to an hour to complete and your computer will restart during this process.

Views

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 10% charge.

Amber — Computer is running on battery and the battery has less than 10% charge.

Off

- Power adapter is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 10% 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.

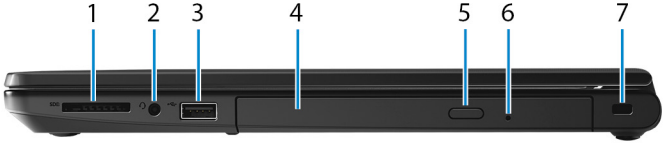
3 **HDMI port**

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

4 **USB 3.1 Gen 1 ports (2)**

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

Right



1 **SD-card slot**

Reads from and writes to the SD card.

2 **Headset port**

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

3 **USB 2.0 port**

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

4 **Optical drive (optional)**

Reads from and writes to CDs and DVDs.

5 **Optical-drive eject button**

Press to open the optical drive tray.

6 **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 at www.dell.com/support

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

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**

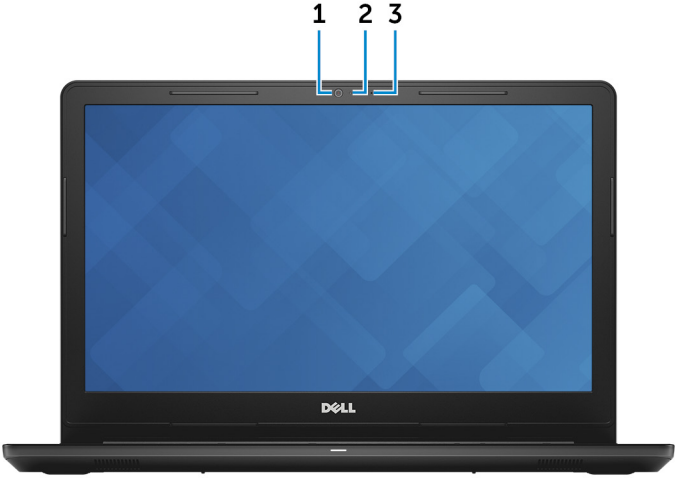
Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

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.

Display



1 **Camera**

Enables you to video chat, capture photos, and record videos.

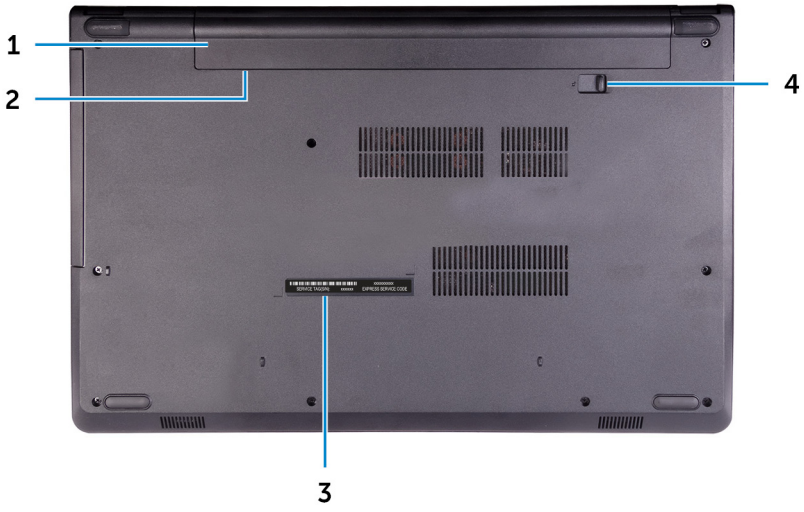
2 **Camera-status light**

Turns on when the camera is in use.

3 **Microphone**

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

Back



1 **Battery**

Supplies power to the computer. It enables the computer to work without connecting to an electrical outlet for a limited time.

2 **Regulatory label (in battery bay)**

Contains regulatory information of your computer.

3 **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.

4 **Battery-release latch**

Lock/unlock the battery in the battery bay. Slide the latch to the unlock position, to release the battery.

Specifications

System information

Table 2. System information

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

Computer model

Table 3. Computer model

Computer model	Inspiron 15-3576

Dimensions and weight

Table 4. Dimensions and weight

Height	23.65 mm (0.93 in)
Width	380 mm (14.96 in)
Depth	260.30 mm (10.25 in)
Weight (approximate)	2.30 kg (5.07 lb)

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

Operating system

Table 5. Operating system

Operating systems supported	• Ubuntu • Windows 10 Home 64-bit

- Windows 10 Professional 64-bit

Memory

Table 6. Memory specifications

Slots	Two SODIMM slots
Type	DDR4
Speed	2400 MHz
Configurations supported	
Per memory module slot	4 GB and 8 GB
Total memory	4 GB, 8 GB, and 12 GB

Ports and connectors

Table 7. Ports and connectors

External:	
Network	One RJ-45 port
USB	• One USB 2.0 port • Two USB 3.1 Gen 1 ports
Audio/Video	• One HDMI v1.4b port • One headset (headphone and microphone combo) port

Table 8. Internal Ports and connectors

Internal:	
M.2 card	One M.2 slot for Wi-Fi/Bluetooth

Communications

Table 9. Communication specifications

Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11ac • Wi-Fi 802.11b/g/n • Up to Bluetooth 4.1 • Wi-Fi Display Support (optional)

Wireless module

Table 10. Wireless module specifications

Transfer rate	Up to 433 Mbps
Frequency bands supported	Dual band (optional) 2.4 GHz/5 GHz
Encryption	• 64-bit and 128-bit WEP • TKIP • AES-CCMP

Audio

Table 11. Audio specifications

Controller	ALC 3204 with Waves MaxxAudio Pro
Speakers	Two
Speaker output	• Average: 2 W • Peak: 2.5 W
Microphone	Single digital microphone in the camera assembly

Storage

Table 12. Storage specifications

Interface	• SATA 6 Gbps for hard drive • SATA 1.5 Gbps for optical drive
Hard drive or solid-state drive	One 2.5-inch hard drive or M.2 solid-state drive (SATA)
Optical-drive (optional)	One 9.5 mm DVD+/-RW drive
Capacity	
Hard drive	Up to 2 TB
Solid-state drive	Up to 256 GB

Media-card reader

Table 13. Media-card reader specifications

Type	One SD-card slot
Cards supported	• Secure Digital (SD) • Secure Digital High Capacity (SDHC) • SD Extended Capacity (SDXC)

Keyboard

Table 14. Keyboard specifications

Type	Standard keyboard (without backlight)
Shortcut keys	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.

NOTE: Press Fn+Esc to switch the primary behavior of the function keys (F1–F12) between two modes – multimedia key mode and function key mode.

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

Keyboard shortcuts

Camera

Table 15. Camera specifications

Resolution	• Still image: 0.9 megapixel • Video: 1280x720 (HD) at 30 fps
Diagonal viewing angle	74 degrees

Touchpad

Table 16. Touchpad

Resolution	• Horizontal: 3200 • Vertical: 1943
Dimensions	• Width: 105 mm (4.13 in) • Height: 65 mm (2.56 in)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

Table 17. Power adapter specifications

	45 W	65 W
Input current (maximum)	1.30 A	1.70 A
Output current (continuous)	2.31 A	3.34 A
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) • Storage: –40°C to 70°C (–40°F to 158°F)	

Battery

Table 18. Battery specifications

Type	4-cell “smart” lithium-ion (40 Whr)
Dimensions	• Width: 270 mm (10.63) • Depth: 37.5 mm (1.47 in) • Height: 20 mm (0.79 in)
Weight (maximum)	0.25 kg (0.55 lb)
Voltage	14.8 VDC
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)

	• Storage: –20°C to 60°C (–4°F to 140°F)
Coin-cell battery	CR-2032

Display

Table 19. Display specifications

Type	• 15.6-inch HD Ultraslim Anti-Glare non-touch screen • 15.6-inch HD Truelife On-Cell touch screen	15.6-inch FHD Ultraslim Anti-Glare non-touch screen
Resolution (maximum)	1366 x 768	1920 x 1080
Viewing angle (Left/ Right/Up/Down)	40/40/10/30 degrees	40/40/10/30 degrees
Pixel pitch	0.252 mm	0.179 mm
Dimension (excluding bezel):		
Height	360 mm (14.17 in)	360 mm (14.17 in)
Width	224 mm (8.82 in)	224 mm (8.82 in)
Diagonal	396.24 mm (15.6 in)	396.24 mm (15.6 in)

Video

Table 20. Video specifications

	Integrated	Discrete
Controller	Intel UHD Graphics 620	AMD Radeon 520 Graphics
Memory	Shared system memory	2 GB GDDR5

Computer environment

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

Table 21. Computer environment

	Operating	Storage
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)	140 G†	160 G‡
Altitude (maximum)	0 m to 3048 m (0 ft to 10,000 ft)	0 m to 10,668 m (0 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.

Table 22. List of keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Decrease brightness
	Increase brightness
	Turn off/on wireless
	Sleep

Keys	Description
	Toggle between power and battery-status light/hard-drive activity light
	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 23. Self-help resources

Information about Dell products and services	www.dell.com
Dell Help & Support app	
Tips	
Contact Support	In Windows search, type `Help and Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows www.dell.com/support/linux
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	www.dell.com/support
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	See *Me and My Dell* at www.dell.com/support/manuals.

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

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.