Inspiron 14 3000
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.**

Contents

Set up your computer

1 Connect the power adapter and press the power button.

> ![note icon] **NOTE: To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.**

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 icon] **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: 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**.

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

Front
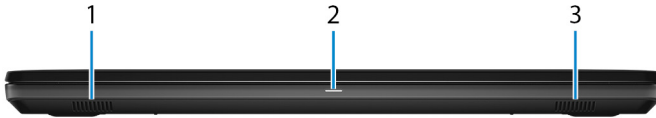
1 **Left speaker**

Provides audio output.

2 **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.

3 **Right speaker**

Provides audio output.

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.
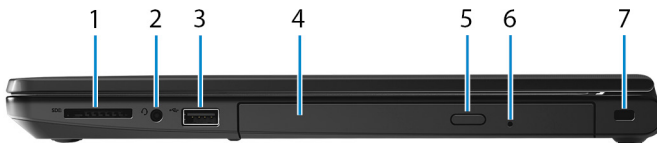
3 **HDMI port**

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 **Touchpad**

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

2 **Left-click area**

Press to left-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 <u>www.dell.com/support/manuals</u>.**

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   **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.

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

Contains regulatory information of your computer.

3   **Battery**

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

4   **Battery-release latch**

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

Specifications

Computer model

Inspiron 14-3476

Dimensions and weight

Table 2. Dimensions and weight

Height	23.35 mm (0.92 in)
Width	345 mm (13.58 in)
Depth	243 mm (9.57 in)
Weight (approximate)	2 kg (4.41 lbs)
	NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

System information

Table 3. System information

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

Operating system

Table 4. Operating system

Operating systems supported	• Ubuntu • Windows 10 Home (64-bit) • Windows 10 Professional (64-bit)

Memory

Table 5. Memory specifications

Slots	Two SODIMM slots
Type	DDR4
Speed	2400 MHz
Configurations supported	
Per memory module slot	4 GB or 8 GB
Total memory	4 GB, 6 GB, 8 GB, or 12 GB

Ports and connectors

Table 6. External 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 1.4b port • One headset port (headphone and microphone combo) port

Table 7. Internal ports and connectors

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

Communications

Table 8. Supported Communications

Wireless	• Wi-Fi 802.11ac

- Bluetooth 4.1
- Wi-Fi Display Support (optional)

Wireless module

Table 9. Wireless module specifications

Transfer rate	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	Dual band 2.4 GHz/5GHz	Dual band 2.4 GHz/5GHz
Encryption	64-bit and 128-bit WEP - TKIP - AES-CCMP	64-bit and 128-bit WEP - TKIP - AES-CCMP

Video

Table 10. Video specifications

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

Audio

Table 11. Audio specifications

Controller	Realtek ALC3204 with Waves MaxxAudio Pro
Speakers	Two
Speaker Output	- Average: 2 W - Peak: 2.5 W

Microphone	Digital-array microphones in camera assembly

Storage

Table 12. Storage specifications

Storage type	Interface type	Capacity
One 2.5-inch hard drive– Shingled Magnetic Recording (SMR)	SATA 6 Gbps	Up to 2 TB
One 2.5-inch hard drive	SATA 6 Gbps	Up to 256 GB
M.2 solid-state drive	SATA 6 Gbps	Up to 256 GB
One 9.5 mm DVD+/-RW Optical-drive (optional)	SATA 3 Gbps	Not applicable

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	Backlit keyboard
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

Camera	• Still Image: 0.92 megapixel • Video: 1280x720 (HD) at 30 fps (maximum)
Infrared camera	640 x 480 (VGA)

Diagonal viewing angle

Camera	74.9 degrees
Infrared camera	81 degrees

Touchpad

Table 16. Touchpad

Resolution	• Horizontal : 3200 • Vertical: 1943
Dimensions	• Horizontal : 105 mm (4.13 in)

- Width: 65 mm (2.56 in)

Power adapter

Table 17. Power adapter specifications

Type	45 W	65 W
Input voltage	100 VAC-240 VAC	100 VAC-240 VAC
Input frequency	50 Hz-60 Hz	50 Hz-60 Hz
Input current (maximum)	1.30 A	1.70 A
Output current (continuous)	2.31 A	3.34 A
Rated output voltage	19.50 VDC	19.50 VDC
Diameter (connector)	4.5 mm	
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 (42 WHr)
Weight (maximum)	0.25 kg (0.55 lbs)
Voltage	14.80 VDC
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Charging time (approximate)	4 hours (when the computer is off)
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)

Coin-cell battery	CR-2032
Dimensions:	
Height	20 mm (0.78 in)
Width	270 mm (10.62 in)
Depth	37.5 mm (1.47 in)

Display

Table 19. Display specifications

Type	14-inch HD non-touch (Twisted Nematic) panel
Resolution (maximum)	1366 x 768
Viewing angle	40/40/10/30
Pixel pitch	0.2265 mm
Height	173.95 mm (6.84 in)
Width	309.4 mm (12.18 in)
Diagonal	355.6 mm (14 in)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 360 degrees
Controls	Brightness can be controlled using shortcut keys

Computer environment

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

Table 20. 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 icon] NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Table 21. List of keyboard shortcuts

Keys	Description
F1 ◀×	Mute audio
F2 ◀	Decrease volume
F3 ◀))	Increase volume
F4 ◀◀	Play previous track/chapter
F5 ▶ǁ	Play/Pause
F6 ▶▶ǁ	Play next track/chapter
F8	Switch to external display
F9 ⌕	Search
F11 ☼	Decrease brightness
F12 ☼	Increase brightness
Fn + PrtScr	Turn off/on wireless
Fn + Insert	Sleep
Fn + H	Toggle between power and battery-status light/hard-drive activity light

Keys	Description
Fn + Esc	Toggle Fn-key lock
Fn + ↑ PgUp	Page up
Fn + ↓ PgDn	Page down
Fn + ←Home	Home
Fn + End →	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 22. Self-help resources

Information about Dell products and services	www.dell.com
Dell Help & Support app	
Accessing help	In Windows search, type `Help and Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows
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 • Setting up and using your product • Data backup • Troubleshooting and diagnostics • Factory and system restore	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**.

- BIOS information
- 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.