

# Inspiron 24 3000

## Setup and Specifications

**Computer Model:** Inspiron 24-3464  
**Regulatory Model:** W12C  
**Regulatory Type:** W12C006



# Notes, cautions, and warnings

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**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

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**CAUTION:** Place the computer on a soft and clean surface to avoid scratching the display.

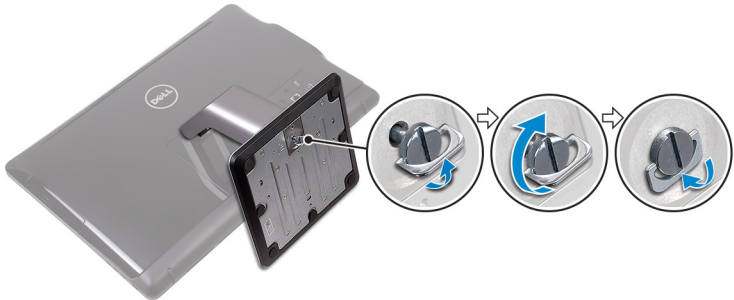
1 Set up the stand.

**Pedestal stand**

a) Lift the stand riser and attach the base.



b) Tighten the captive screw to secure the base to the stand riser.



**Easel stand**

Lift the stand.

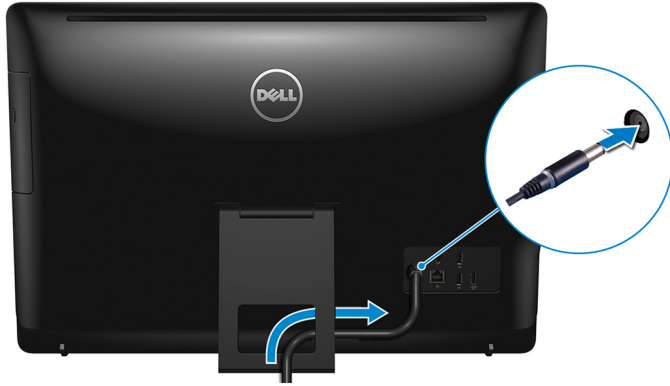


2 Set up the keyboard and mouse.

See the documentation that shipped with the keyboard and mouse.

- 3 Route the power cable through the routing guide on the stand and connect the power adapter.

**Easel stand**



**Pedestal stand**



- 4 Press the power button.



- 5 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](http://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.



6 Locate and use Dell apps from the Windows Start menu—Recommended

**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: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</b></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="http://www.dell.com/support">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="http://www.dell.com/support">153764</a> at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

7 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

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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).

# Views

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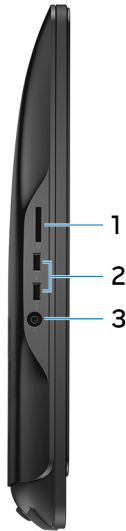
## Front



**Figure 1. Front view**

- 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 (for non-touchscreen model)**  
Provides digital sound input for audio recording, voice calls, and so on.
- 4 Microphone (for touchscreen model)**  
Provides digital sound input for audio recording, voice calls, and so on.

# Left



**Figure 2. Left view**

1 **Media-card reader**

Reads from and writes to media cards.

2 **USB 3.0 ports (2)**

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

3 **Headset port**

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

# Right



**Figure 3. Right view**

1 **Optical drive (optional)**

Reads from and writes to CDs and DVDs.

2 **Display-brightness control buttons (2)**

Press to increase or decrease the display brightness.

3 **Input-source selection button**

Press to select the video-input source.

4 **Power button**

Turns on your computer or changes the power state of your computer.

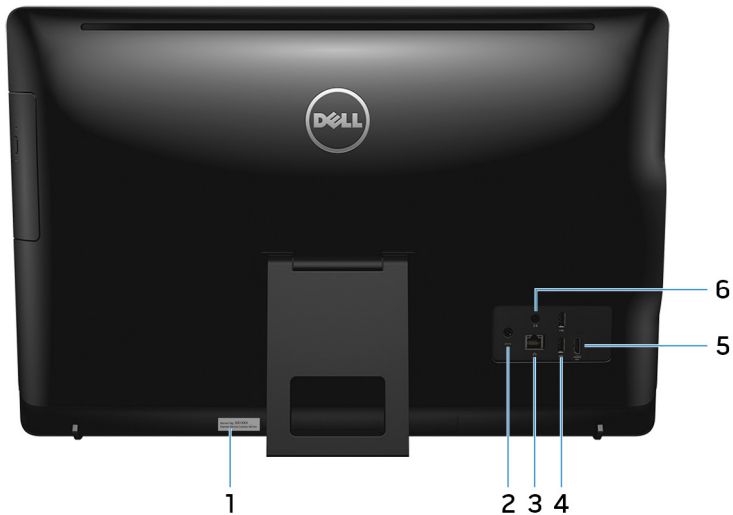
Press to put the computer in sleep state if it is turned on.

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).**

# Back



**Figure 4. Back view**

**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 Power-adapter port**

Connect a power adapter to provide power to your computer.

**3 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.

**4 USB 2.0 ports (2)**

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

**5 HDMI-in port**

Connect a gaming console, Blu-ray player, or other HDMI-out enabled devices.

6 **Audio-out port**

Connect audio-output devices such as speakers, amplifiers, and so on.

## Tilt

### Easel stand



# Pedestal stand







# Specifications

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## Dimensions and weight

**Table 2. Dimensions and weight**

Height	<ul style="list-style-type: none"><li>• Easel stand – 385.33 mm (15.17 in)</li><li>• Pedestal stand – 440.33 mm (17.34 in)</li></ul>		
Width	576.62 mm (22.70 in)		
Depth	<b>With easel stand</b>	<b>With pedestal stand</b>	<b>Without stand</b>
Touch screen	60.70 mm (2.39 in)	205.00 mm (8.07 in)	38.20 mm (1.50 in)
Non-touch screen	61.80 mm (2.43 in)	205.00 mm (8.07 in)	39.30 mm (1.55 in)
Weight (maximum)			
Touch screen	8.36 kg (18.43 lb)		
Non-touch screen	6.38 kg (14.07 lb)		



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

## System information

**Table 3. System information**

Computer model	Inspiron 24-3464
Processor	<ul style="list-style-type: none"><li>• 7<sup>th</sup> Generation Intel Core i3-7100U</li><li>• 7<sup>th</sup> Generation Intel Core i5-7200U</li><li>• Intel Pentium Processor</li></ul>
Chipset	Integrated in processor

# Memory

**Table 4. Memory**

Slots	Two SODIMM slots
Type	DDR4
Speed	Up to 2133 MHz
Configurations supported	2 GB, 4 GB, 6 GB, 8 GB, and 16 GB

# Ports and connectors

**Table 5. Ports and connectors**

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**External:**

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Network	One RJ45 port
USB	<ul style="list-style-type: none"><li>• Two USB 2.0 ports</li><li>• Two USB 3.0 ports</li></ul>
Audio/Video	<ul style="list-style-type: none"><li>• One HDMI-in port</li><li>• One audio line-out port</li><li>• One headset port</li></ul>

**Table 6. Ports and connectors**

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**Internal:**

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M.2 card	One M.2 slot for WLAN and Bluetooth
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# Communications


**Table 7. Communications**

Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"><li>• Wi-Fi 802.11ac</li></ul>

- Wi-Fi 802.11b/g/n
- Bluetooth 4.0

## Video

**Table 8. Video specifications**

	<b>Integrated</b>	<b>Discrete</b>
Controller	Integrated in processor	NVIDIA GeForce 920MX  <b>NOTE: You can connect a monitor to each available port on your graphics card. You can connect up to one monitor on this computer.</b>
Memory	Shared system memory	2 GB GDDR5

## Audio

**Table 9. Audio**

Controller	Realtek ALC3661 Waves MaxxAudio Pro
Speakers	Two
Speaker Output	<ul style="list-style-type: none"> <li>• Average – 3 W</li> <li>• Peak – 3.5 W</li> </ul>
Microphone	Single digital microphone
Volume controls	Program menus

# Storage

**Table 10. Storage**

Interface	<ul style="list-style-type: none"><li>• SATA 3 Gbps for optical drive</li><li>• SATA 6 Gbps for hard drive</li></ul>
Hard drive	One 2.5-inch drive
Optical drive	One 9.5-mm DVD+/-RW drive (optional)

# Media-card reader

**Table 11. Media-card reader**

Type	One 4-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD card</li><li>• MultiMediaCard (MMC)</li><li>• SD Extended Capacity (SDXC) card</li><li>• SD High Capacity (SDHC) card</li></ul>

# Display

**Table 12. Display**

Type	<ul style="list-style-type: none"><li>• 23.8-in FHD touchscreen</li><li>• 23.8-in FHD non-touchscreen</li></ul>
Resolution (maximum)	1920 x 1080
Pixel pitch	0.2745 mm x 0.2745 mm
Height	317.40 mm (12.50 in)
Width	543 mm (21.38 in)
Diagonal	604.52 mm (23.80 in)
Refresh rate	60 Hz

Controls

Brightness can be controlled through the display-brightness increase/decrease buttons

## Camera

**Table 13. Camera**

Resolution	<ul style="list-style-type: none"><li>• Still image: 0.92 megapixels</li><li>• Video: 1280 x 720 at 30 fps (maximum)</li></ul>
Diagonal viewing angle	74 degrees

## Stand

**Table 14. Stand**

	<b>Easel</b>	<b>Pedestal</b>
Height	174.80 mm (6.88 in)	227.70 mm (8.96 in)
Width	120 mm (4.72 in)	205.60 mm (8.09 in)
Depth	22.50 mm (0.89 in)	225.42 mm (8.87 in)
Operating angle	12.5° to 45°	-5° to 30°

## Power adapter

**Table 15. Power adapter**

<b>Type</b>	<b>65 W</b>	<b>90 W</b>
Input voltage	100 VAC to 240 VAC	
Input frequency	50 Hz to 60 Hz	
Input current (maximum)	1.70 A	2.50 A
Output current (continuous)	3.34 A	4.62 A
Rated output voltage	19.50 VDC	

Type	65 W	90 W
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)

## Computer environment

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

**Table 16. 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)	110 G <sup>†</sup>	160 G <sup>‡</sup>
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.

# 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 17. 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:	See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a> .



Self-help resources	Resource location
<ul style="list-style-type: none"> <li>• Product specifications</li> <li>• Operating system</li> <li>• Setting up and using your product</li> <li>• Data backup</li> <li>• Troubleshooting and diagnostics</li> <li>• Factory and system restore</li> <li>• BIOS information</li> </ul>	<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/region and product, and some services may not be available in your country/region.**



**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.**