

Inspiron 24 3000 All-in-One Setup and Specifications

Computer Model: Inspiron 24-3477
Regulatory Model: W21C
Regulatory Type: W21C001



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 Set up the [easel stand](#) or [pedestal stand](#).
- 2 Connect the keyboard and mouse.



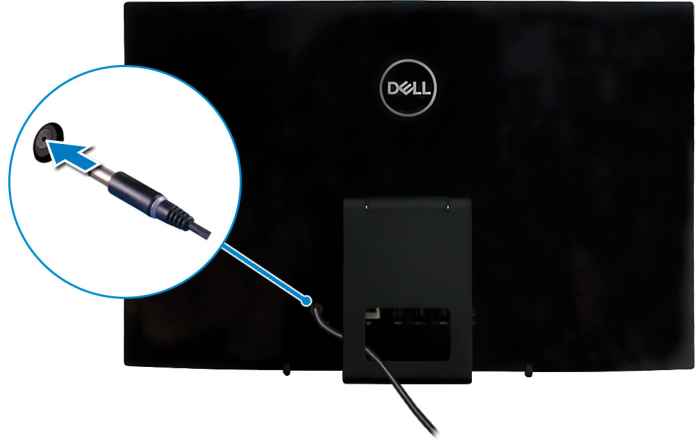
NOTE: For setup instructions, see the documentation shipped with the keyboard and mouse.



3 Connect the power adapter.

⚠ WARNING: Route the power-adapter cable through the routing guide on the stand to avoid potential damage to the power adapter and to avoid the unexpected system power-off when the stand is moved to a different orientation.

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 configuring the Ubuntu install, see the knowledge base article [SLN151664](https://www.dell.com/support/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.



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



Dell Product Registration

Register your computer with Dell.



Dell Help & Support

Access help and support for your computer.



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



Dell Update

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



Dell Digital Delivery

Download software applications, which are purchased but not pre-installed on your computer.

- 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](#).

Set up the easel stand

Lift the easel stand.



Set up the pedestal stand

- 1 Lift the stand riser.



2 Attach the base.



3 Tighten the captive screw to secure the base to the stand riser.



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.



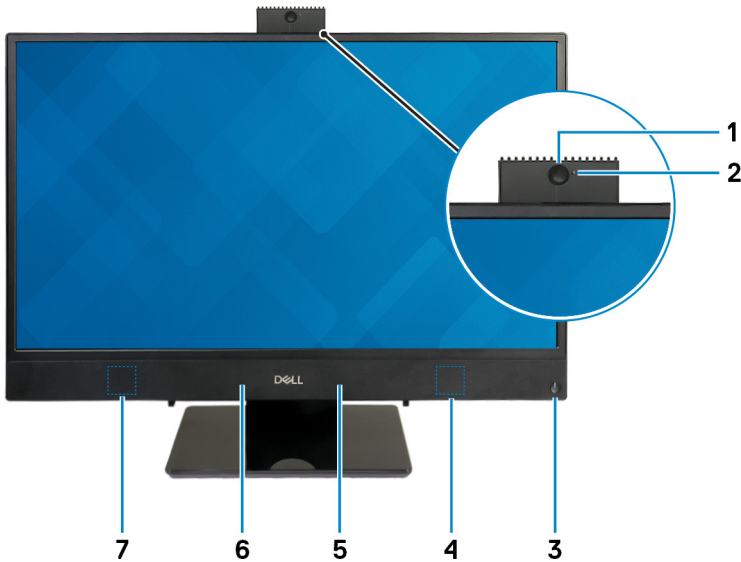


NOTE: This process may take up to an hour to complete and your computer will restart during the recovery process.

- 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 **Retractable camera**

Enables you to videochat, capture photos, and record videos. This camera can be retracted to protect your privacy.

2 **Camera-status light**

Turns on when the camera is in use.

3 **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.

4 **Right speaker**

Provides audio output.

5 **Right microphone**

Provides digital sound input for audio recording and voice calls.

6 **Left microphone**

Provides digital sound input for audio recording and voice calls.

7 **Left speaker**

Provides audio output.

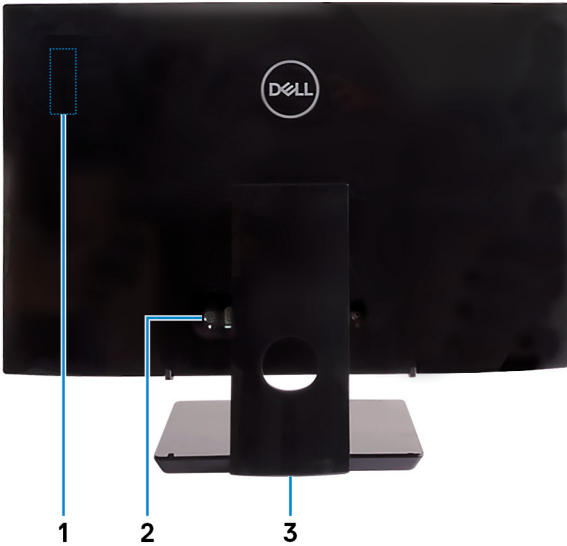
Left



1 **SD-card slot**

Reads from and writes to the SD card.

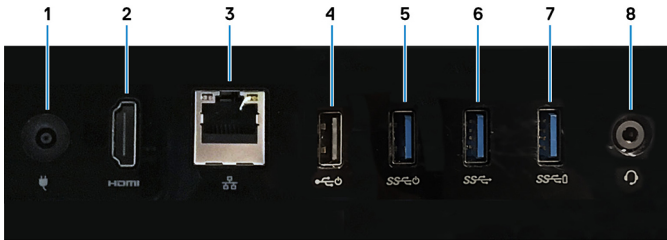
Back



- 1 Radio regulatory label**
Contains the regulatory information of the wireless components for your computer.
- 2 Back panel**
Connect power, USB, audio, and other devices.
- 3 Regulatory label**
Contains regulatory information of your computer.



Back panel



1 Power-adaptor port

Connect a power adapter to provide power to your computer.

2 HDMI-out port

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

3 Network port

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

4 USB 2.0 port with Power on/Wake-up support

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps. Wake the computer from standby with the keyboard or mouse connected to this port.

5 USB 3.1 Gen 1 port with Power on/Wake-up support

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps. Wake the computer from standby with the keyboard or mouse connected to this port.


6 USB 3.1 Gen 1 port


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

7 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.

8 Headset port

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

Bottom



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 Display Built-in Self Test button

Run the built-in self test for the display

For more information, see the Troubleshooting section in the service manual at www.dell.com/support/manuals.

Tilt

Easel stand





Pedestal stand





Retractable camera



NOTE: Extend the camera while using any camera function so that the camera is not blocked.

Specifications

Computer model

Inspiron 24-3477.

System information

Table 2. System information

| | |
|----------------|---|
| Processor | <ul style="list-style-type: none">• 7th Generation Intel Core i3/i5/i7• Intel Pentium Dual Core |
| System chipset | Integrated in processor |

Dimensions and weight

Table 3. Dimensions and weight

| | |
|--------------------------------|---|
| Height | 358 mm (14.49 in) |
| Width | 548.80 mm (21.61 in) |
| Depth | 41.5 mm (1.63 in) |
| Weight without stand (maximum) | <ul style="list-style-type: none">• Touch: 5.85 kg (12.89 lb)• Non-touch: 5.35 kg (11.79 lb) |
| Weight without stand (minimum) | <ul style="list-style-type: none">• Touch: 5.12 kg (11.29 lb)• Non-touch: 4.62 kg (10.19 lb) |



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



Operating system

Table 4. Operating system

| | |
|-----------------------------|--|
| Operating systems supported | <ul style="list-style-type: none">• Ubuntu• Windows 10 Home 64-bit• Windows 10 Professional 64-bit |
|-----------------------------|--|

Memory

Table 5. Memory specifications

| | |
|---------------------------|------------------------------------|
| Slots | Two SODIMM slots |
| Type | DDR4 |
| Speed | 2133 MHz |
| Configurations supported: | |
| Per slot | 2 GB, 4 GB, 8 GB, and 16 GB |
| Total memory | 4 GB, 6 GB, 8 GB, 12 GB, and 16 GB |

Ports and connectors

Table 6. Ports and connectors specifications

| | |
|------------------|---|
| External: | |
| Network | One RJ45 port |
| USB | <ul style="list-style-type: none">• One USB 3.1 Gen 1 port with Power on/Wake-up support• One USB 3.1 Gen 1 port with PowerShare• One USB 2.0 port with Power on/Wake-up support• One USB 3.1 Gen 1 port |
| Audio/Video | <ul style="list-style-type: none">• One headset port |



External:

- One HDMI v1.4 port

Table 7. Ports and connectors specifications

Internal:

M.2 card

- One M.2 slot for SSD card (SATA) (for 7th Generation Intel Core processors)
- One M.2 slot for Wireless and Bluetooth combo card

Communications

Table 8. Communication specifications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11a/b/g/n/ac
- Bluetooth 4.1

Wireless

Table 9. Wireless

Transfer rate

433 Mbps

Frequency bands

2.4 GHz/5 GHz

Encryption

- 64-bit/128-bit WEP
- AES-CCMP
- TKIP



Audio

Table 10. Audio specifications

| | |
|----------------|--|
| Controller | Realtek ALC3246 |
| Speakers | Two |
| Speaker output | <ul style="list-style-type: none">· Average: 3 W· Peak: 3.5 W |
| Microphone | Digital-array microphones |

Storage

Table 11. Storage specifications

| | |
|---------------------|--|
| Interface | <ul style="list-style-type: none">· SATA 6 Gbps for hard drive· PCIe up to 16 Gbps for M.2 card |
| Hard drive | One 2.5-inch drive (SATA) |
| Solid-state drive | One M.2 drive (SATA/PCIe) |
| Capacity supported: | |
| Hard drive | Up to 2 TB |
| Solid-state drive | <ul style="list-style-type: none">· PCIe NVMe: Up to 1 TB· SATA: Up to 256 GB |

Media-card reader

Table 12. Media-card reader specifications

| | |
|-----------------|------------------|
| Type | One SD-card slot |
| Cards supported | SD card |



Camera

Table 13. Camera specifications

| | |
|------------------------|--|
| Resolution | <ul style="list-style-type: none">• Still image: 1280 x 720 (HD); 0.92 megapixels• Video: 1280 x 720 (HD) at 30 fps (maximum) |
| Diagonal viewing angle | 74.6 degrees |

Power adapter

Table 14. Power adapter specifications

| | 65 W | 90 W |
|-----------------------------|--------------------------------|-------------|
| Input current (maximum) | 1.70 A | 1.50 A |
| Output current (continuous) | 3.34 A | 4.62 A |
| Input Voltage | 100 VAC to 240 VAC | |
| Input frequency | 50 Hz to 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) | |

Display

Table 15. Display specifications

| | 23.8-inch FHD |
|------------|----------------------|
| Resolution | 1920 x 1080 |



23.8-inch FHD

(maximum)

Pixel pitch 0.2475 mm

Dimensions:

Height 296.46 mm (11.67 in)

Width 527.04 mm (20.74 in)

Diagonal 604.70 mm (23.8 in)

Refresh rate 60 Hz

Controls Program menus

Video

Table 16. Video specifications



| | Integrated | Discrete |
|------------|---|----------------------|
| Controller | <ul style="list-style-type: none">Intel HD Graphics 610Intel HD Graphics 620 | NVIDIA GeForce MX110 |
| Memory | Shared system memory | 2 GB GDDR5 |

Computer environment

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

Table 17. Computer environment

| | Operating | Storage |
|--------------------------------|--------------------------------|-----------------------------------|
| Temperature range | 10°C to 35°C (50°F to 95°F) | –40°C to 65°C (–40°F to 149°F) |
| Relative humidity (maximum) | 20% to 80% (non-condensing) | 5% to 95% (non-condensing) |

| | Operating | Storage |
|-------------------------|---|---|
| |  NOTE: Maximum dew point temperature = 26°C |  NOTE: Maximum dew point temperature = 33°C |
| Vibration (maximum)* | 0.24 GRMS | 1.37 GRMS |
| Shock (maximum) | 40 G† | 105 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.



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 18. Self-help resources

Information about Dell products and services

www.dell.com

Dell Help & Support app



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

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:

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

- Product specifications
- Operating system

- 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.

