



# Inspiron 24

## 3000 Series



[Views](#)

[Specifications](#)

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2015 - 05 Rev. A00

Regulatory model: W12C | Type: W12C002

Computer model: Inspiron 24-3452

**NOTE:** The images in this document may differ from your computer depending on the configuration you ordered.



Front



Left



Right



Back



Tilt

## Front



**1 Camera**

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

**2 Camera-status light**

Turns on when the camera is in use.

**3 Microphone (on computers with non-touchscreen display only)**

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

**4 Microphone (on computers with touchscreen display only)**

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



Front



Left



Right

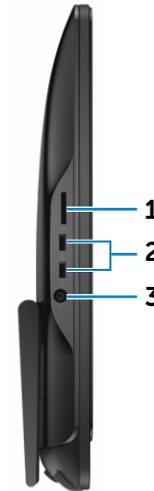


Back



Tilt

## Left



**1 Media-card reader**

Reads from and writes to media cards.

**2 USB 3.0 ports (2)**

Connect peripherals such as storage devices, printers, and so on. Provide data transfer speeds up to 5 Gbps.

**3 Headset port**

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



Front



Left



Right



Back



Tilt

## Right



- 1 Optical drive (optional)**  
Reads from and writes to CDs and DVDs.
- 2 Display-brightness increase button**  
Press to increase the display brightness.
- 3 Display-brightness decrease button**  
Press to decrease the display brightness.
- 4 Screen off**  
Press and hold to turn-off the display; press again to turn-on the display.

- 5 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 behaviour in Power Options. For more information, see *Me and My Dell* at [dell.com/support](http://dell.com/support).



Front



Left



Right

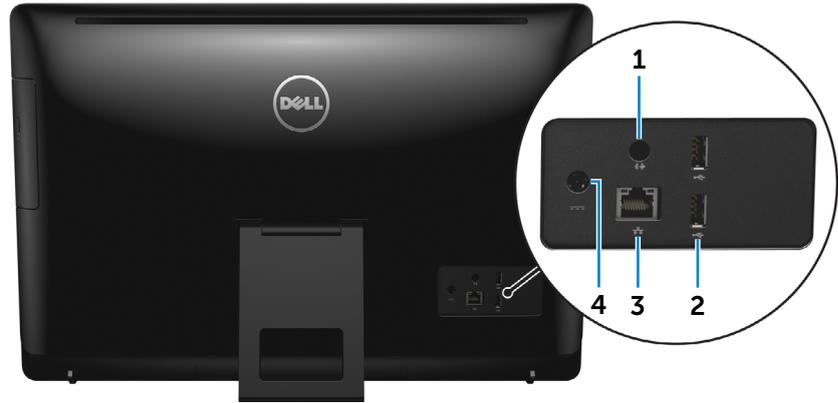


Back



Tilt

## Back



### 1 Audio-out port

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

### 2 USB 2.0 ports (2)

Connect peripherals such as storage devices, printers, and so on. Provide data transfer speeds up to 480 Mbps.

### 3 Network port

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 Power-adaptor port

Connect a power adapter to provide power to your computer.



Front



Left



Right



Back



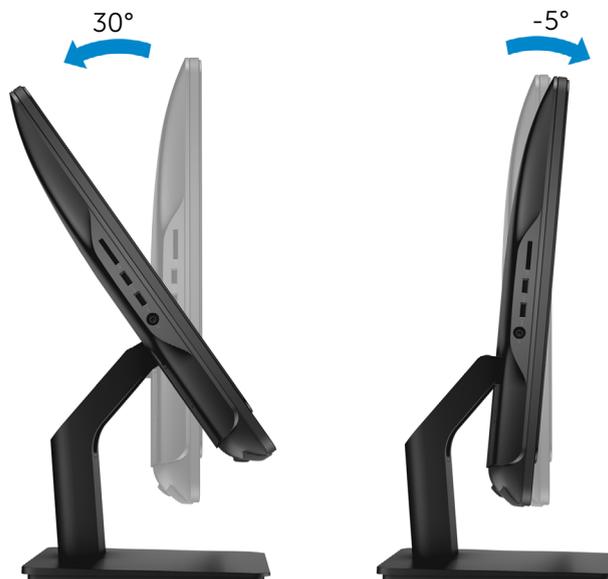
Tilt

## Tilt

### Easel Stand



### Pedestal Stand





# Specifications

## Dimensions and weight

### Height:

Easel stand 387.33 mm (15.25 in)

Pedestal stand 440.33 mm (17.34 in)

Width 576.62 mm (22.70 in)

### Depth:

#### With easel stand

#### With pedestal stand

#### Without stand

Touchscreen 61.18 mm (2.41 in) 205.60 mm (8.09 in) 38.20 mm (1.51 in)

Non-touchscreen 61.88 mm (2.44 in) 205.60 mm (8.09 in) 39.30 mm (1.54 in)

### Weight (maximum):

Touchscreen 8.26 kg (18.21 lb)

Non-touchscreen 6.38 kg (14.07 lb)

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



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Power adapter



Computer environment



# Specifications

## System information

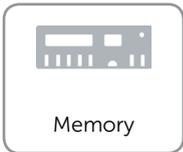
Computer model	Inspiron 24-3452
Processor	<ul style="list-style-type: none"><li>• Intel Pentium Processor</li><li>• Intel Celeron Processor</li></ul>
System chipset	Integrated in processor



Dimensions and weight



System information



Memory



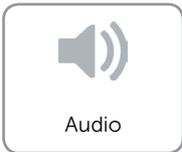
Ports and connectors



Communications



Video



Audio



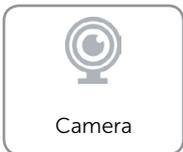
Storage



Media-card reader



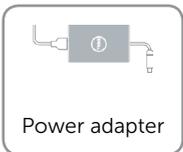
Display



Camera



Stand



Power adapter



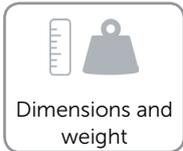
Computer environment



# Specifications

## Memory

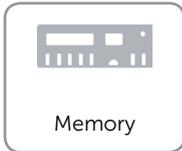
Slot	One SODIMM slot
Type	Single-channel DDR3L
Speed	Up to 1600 MHz
Configurations supported	2 GB, 4 GB, and 8 GB



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



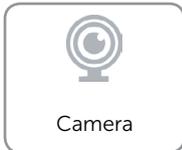
Storage



Media-card reader



Display



Camera



Stand



Power adapter



Computer environment



# Specifications

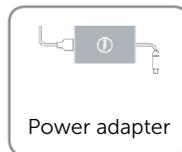
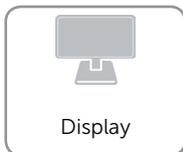
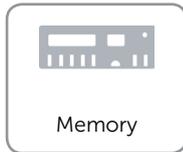
## Ports and connectors

### External:

- |             |   |
|-------------|---|
| 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 combo jack port</li><li>• One audio line-out port</li></ul> |

### Internal:

- |          |  |
|----------|--|
| M.2 card | One M.2 card slot for WLAN and Bluetooth |
|----------|--|

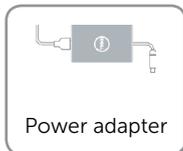
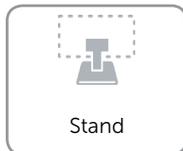
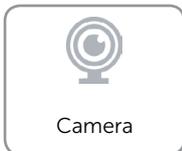
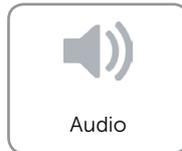
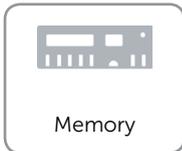
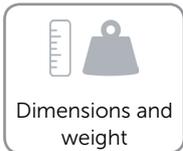




# Specifications

## Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"><li>• Wi-Fi 802.11b/g/n</li><li>• Wi-Fi 802.11ac</li><li>• Bluetooth 4.0</li></ul>





# Specifications

## Video

Controller:

Integrated	Integrated in processor
Discrete	AMD Radeon R5 A315

Memory:

Integrated	Shared system memory
Discrete	2GB DDR3L



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Power adapter



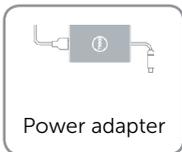
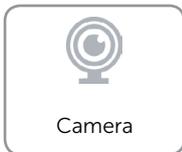
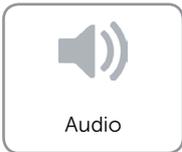
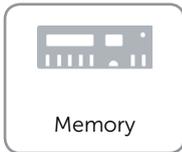
Computer environment



# Specifications

## Audio

Controller	Realtek ALC3661 Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital-array microphones
Volume controls	Program menus

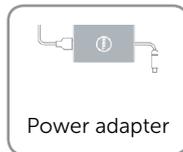
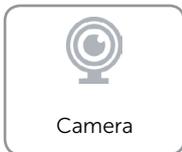
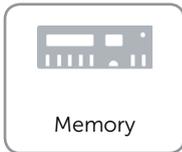




# Specifications

## 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-in drive
Optical drive	One 9.5-mm DVD+/-RW drive (optional)





# Specifications

## 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>



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Power adapter



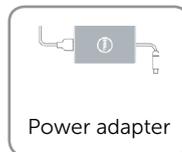
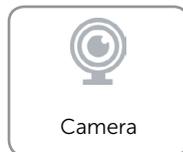
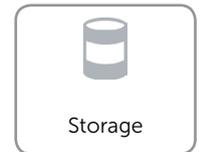
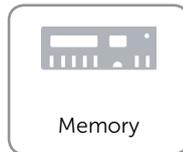
Computer environment



# Specifications

## 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
Dimensions:	
Height	317.40 mm (12.50 in)
Width	543 mm (21.38 in)
Diagonal	604.52 mm (23.80 in)
Refresh rate	60 Hz
Pixel pitch	0.2745 mm x 0.2745 mm
Controls	Brightness can be controlled through the display-brightness increase/decrease button





# Specifications

## Camera

### Resolution:

Still image 0.92 megapixels

Video 1280 x 720 at 30 fps (maximum)

Diagonal viewing angle 74 degrees



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Power adapter



Computer environment



# Specifications

## Stand

### Easel stand

### Pedestal stand

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	22.77 mm (0.90 in)	225.42 mm (8.87 in)
Operating angle	12.5° to 45°	-5° to 30°



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Power adapter



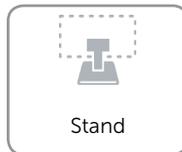
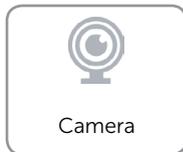
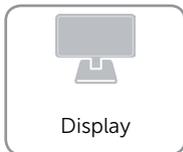
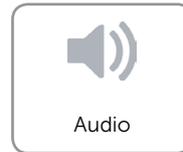
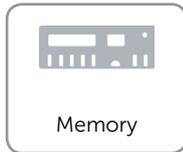
Computer environment



# Specifications

## Power adapter

Type	<ul style="list-style-type: none"><li>• 45 W</li><li>• 65 W</li></ul>
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum):	
45 W	1.30 A
65 W	1.70 A
Output current (maximum):	
45 W	2.31 A
65 W	3.34 A
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)





# Specifications

## Computer environment

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

