



# Inspiron 24

## 3000 Series



**Views**

**Tilt**

**Specifications**

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2015 - 03 Rev. A00

Regulatory model: W12C | Type: W12C001

Computer model: Inspiron 24-3455

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



Front



Left

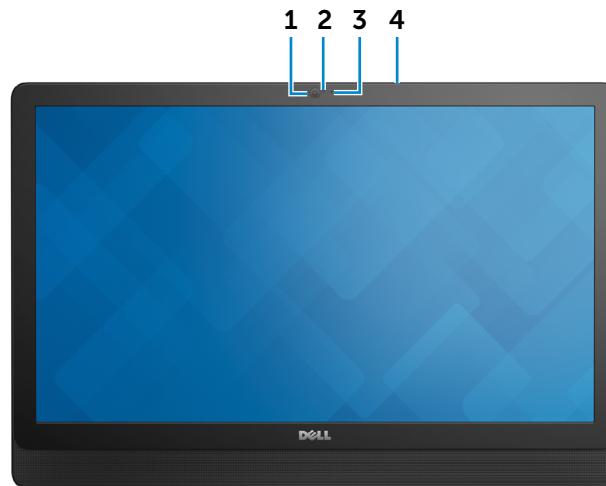


Right



Back

## 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**

Left



Right



Back

**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.



- 1
- 2
- 3

**3 Headset port**

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



Front

## Right



Left



Right



Back



### 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

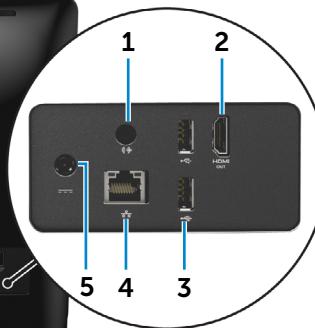


Right



Back

## Back



### 1 Audio-out port

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

### 2 HDMI-out port

Connect a TV or other HDMI-in enabled devices. Provides video and audio output.

### 3 USB 2.0 ports (2)

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

### 4 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.

### 5 Power-adapter port

Connect a power adapter to provide power to your computer.



## Tilt

### Stand

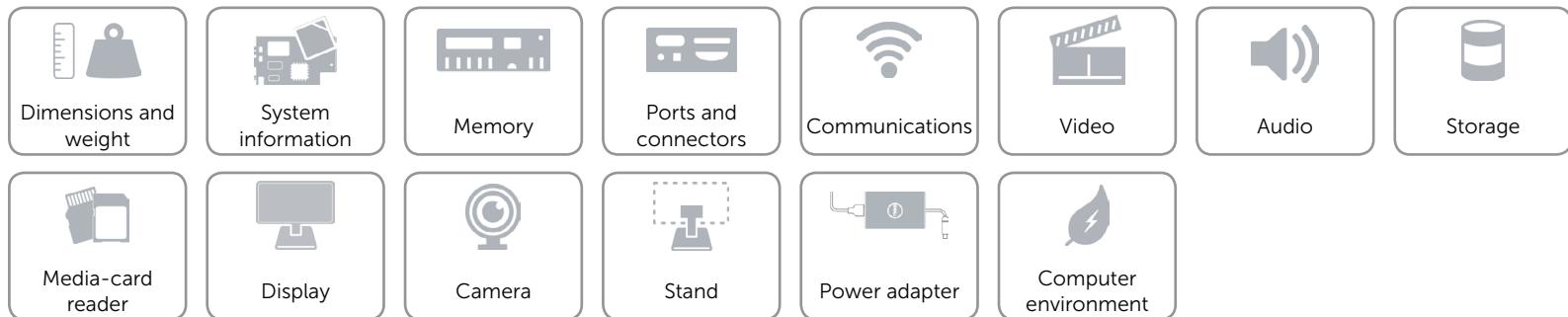




# Specifications

## Dimensions and weight

Height	387.33 mm (15.25 in)	
Width	576.62 mm (22.70 in)	
Depth:	<b>With stand</b>	<b>Without stand</b>
Touchscreen	61.18 mm (2.41 in)	38.2 mm (1.50 in)
Non-touchscreen	61.93 mm (2.44 in)	39.3 mm (1.55 in)
Weight (maximum):		
Touchscreen	7.46 kg (16.45 lb)	
Non-touchscreen	6.37 kg (14.04 lb)	
<b>NOTE:</b> The weight of your computer varies depending on the configuration ordered and the manufacturing variability.		





# Specifications

## System information

Computer model Inspiron 24-3455

Processor

- AMD A8-7410
- AMD A6-7310
- AMD E2-7110

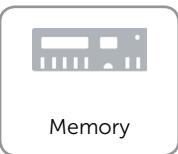
System chipset Integrated in processor



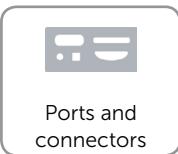
Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



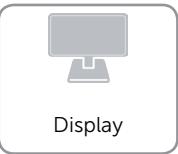
Audio



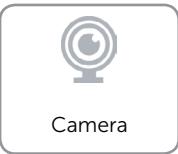
Storage



Media-card reader



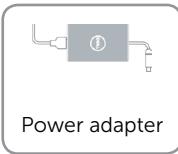
Display



Camera



Stand



Power adapter



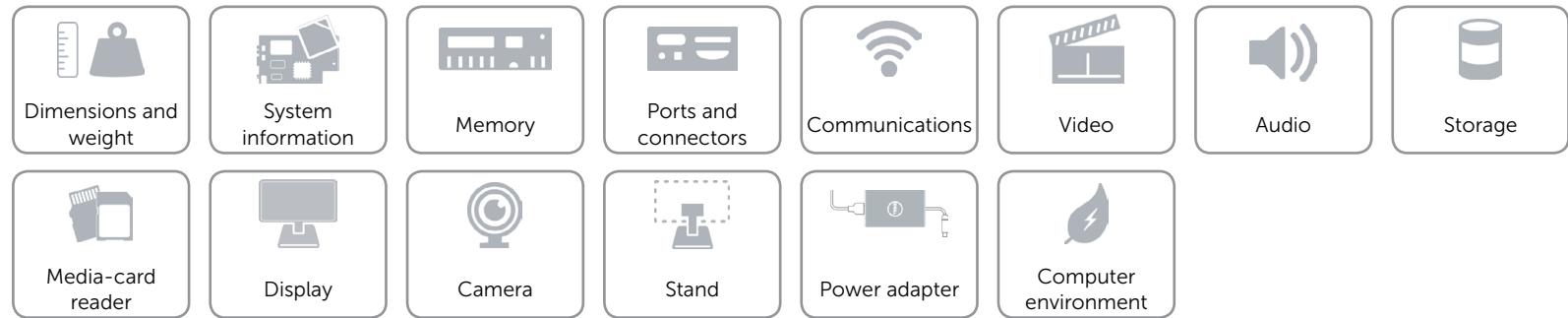
Computer environment



# Specifications

## Memory

Slots	Two SODIMM slots
Type	Dual-channel DDR3L
Speed	Up to 1600 MHz
Configurations supported	2 GB, 4 GB, and 8 GB





# Specifications

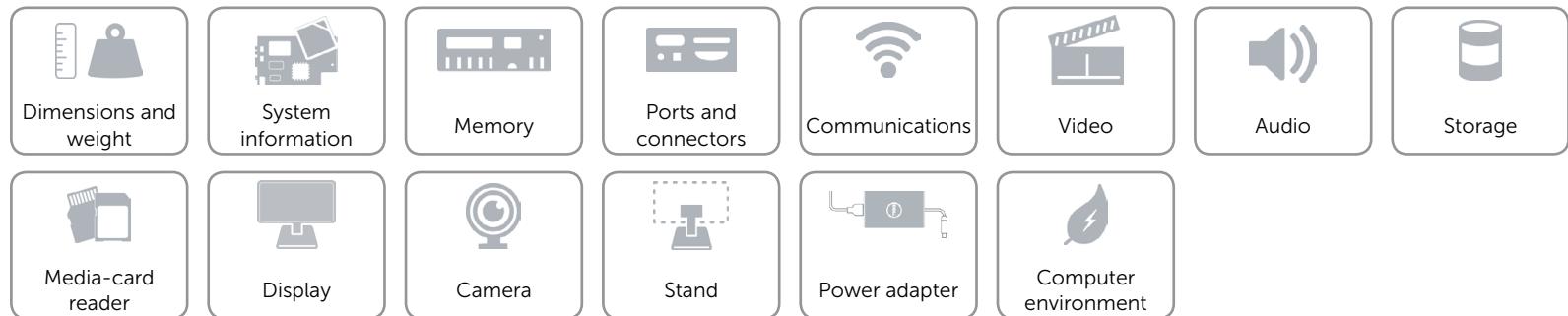
## Ports and connectors

### 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><li>One HDMI-out port</li></ul>

### Internal:

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

### Ethernet

10/100 Mbps Ethernet controller integrated on system board

### Wireless

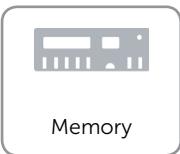
- Wi-Fi 802.11b/g/n
- Bluetooth 4.0



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



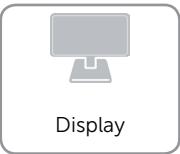
Audio



Storage



Media-card reader



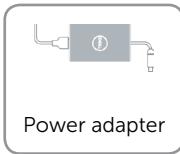
Display



Camera



Stand



Power adapter



Computer environment



# Specifications

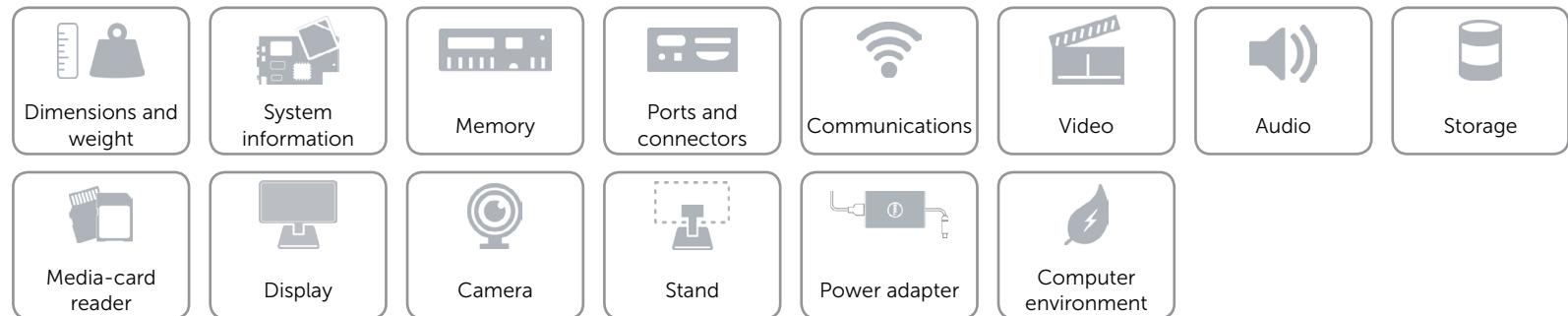
## Video

### Controller:

Integrated	Integrated in processor
Discrete	AMD Radeon R5 A330

### Memory:

Integrated	Shared system memory
Discrete	2GB DDR3L

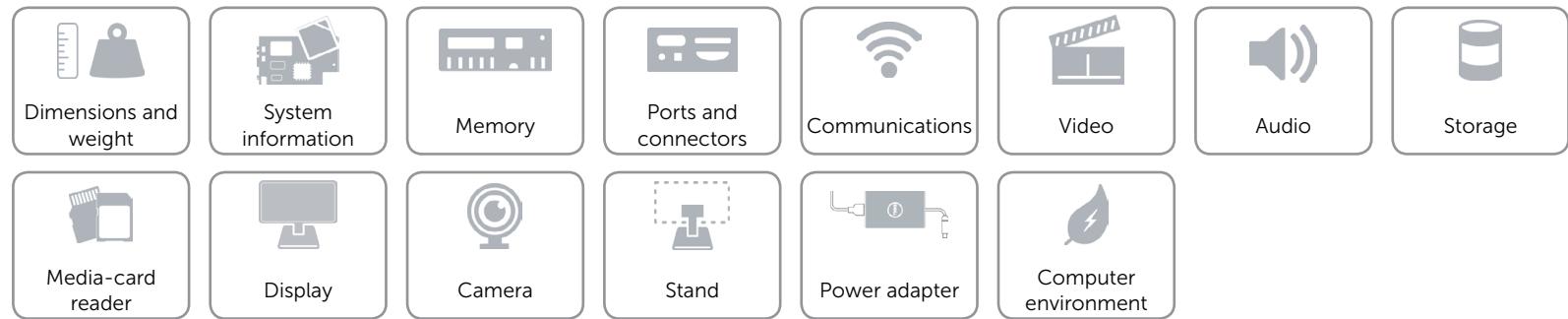




# Specifications

## 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

- SATA 3 Gbps for optical drive
- SATA 6 Gbps for hard drive

### Hard drive

One 2.5-in drive

### Optical drive

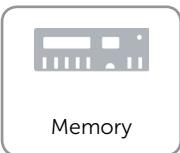
One 9.5-mm DVD+/-RW drive (optional)



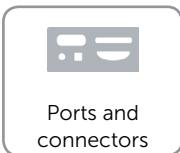
Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



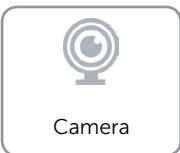
Storage



Media-card reader



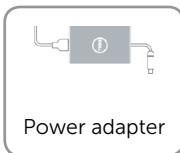
Display



Camera



Stand



Power adapter



Computer environment



# Specifications

## Media-card reader

Type One 4-in-1 slot

Cards supported

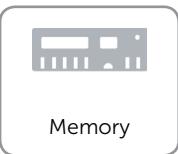
- SD card
- MultiMediaCard (MMC)
- SD Extended Capacity (SDXC) card
- SD High Capacity (SDHC) card



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



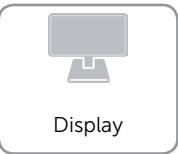
Audio



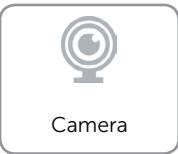
Storage



Media-card reader



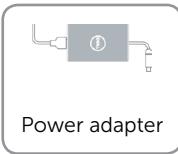
Display



Camera



Stand



Power adapter



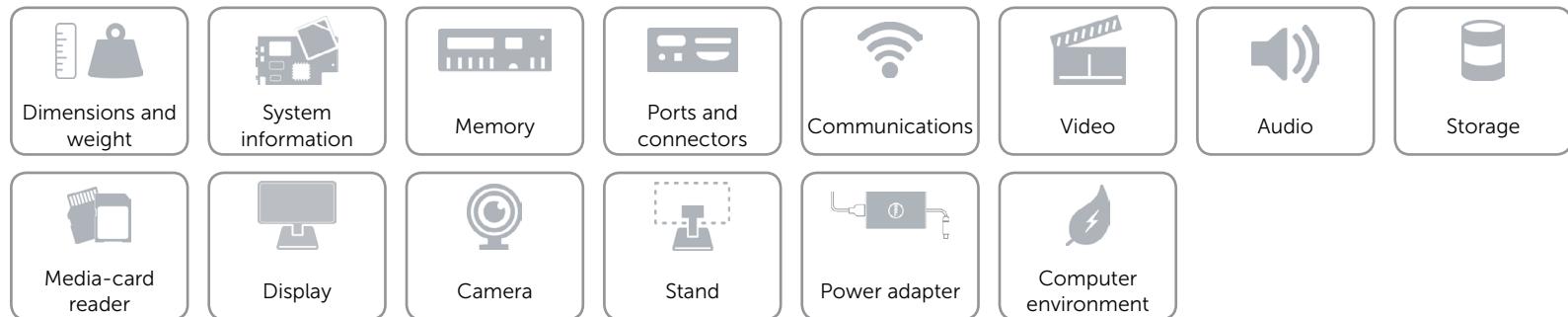
Computer environment



# 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	317.4 mm (12.50 in)
Width	543 mm (21.38 in)
Diagonal	604.52 mm (23.8 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



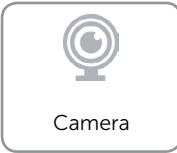
Storage



Media-card reader



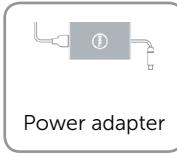
Display



Camera



Stand



Power adapter



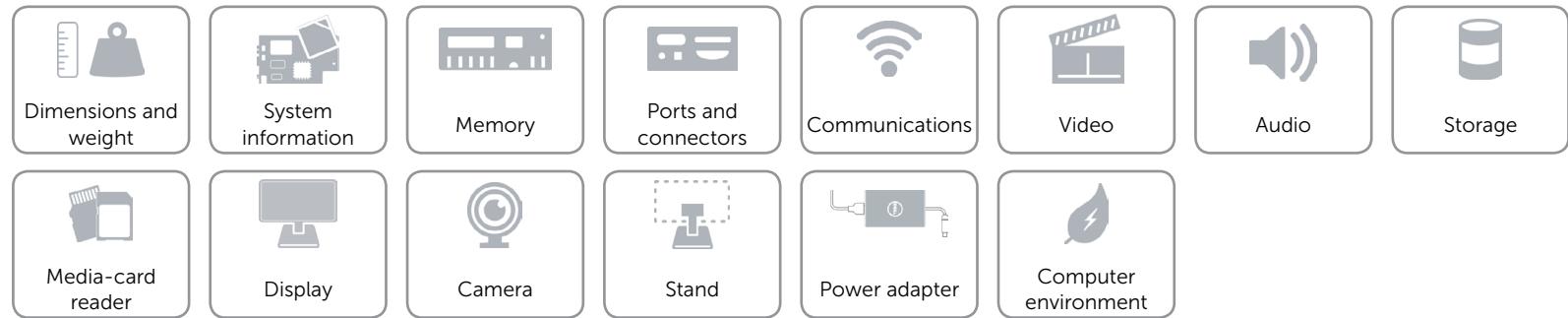
Computer environment



# Specifications

## Stand

Height	174.80 mm (6.88 in)
Width	120 mm (4.72 in)
Depth	22.77 mm (0.90 in)
Operating angle	12°–45°

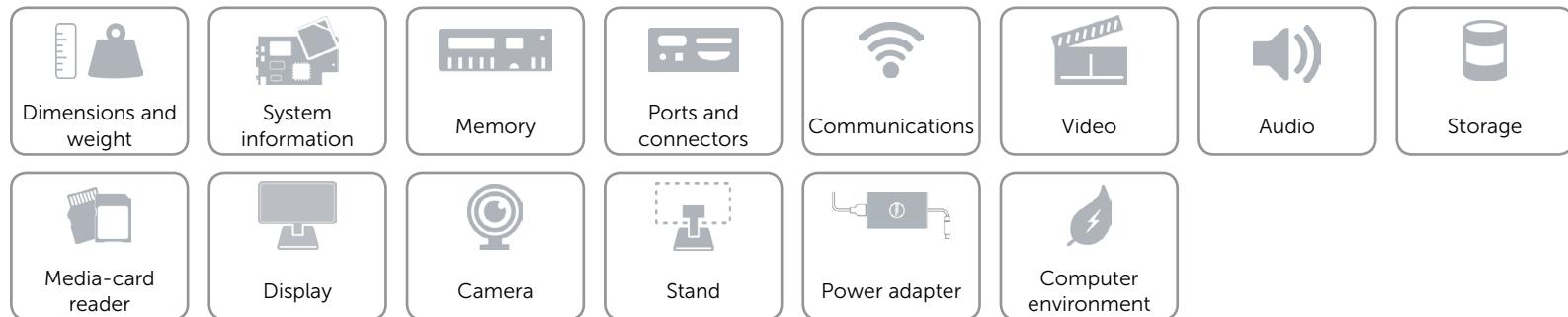




# Specifications

## Power adapter

Type	65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A/2.50 A
Output current (maximum)	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)





## 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 <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.

