Inspiron 24
3000 Series

Views

Tilt

Specifications

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.

Views

Front

Front

Left

Right

Back

1 2 3 4
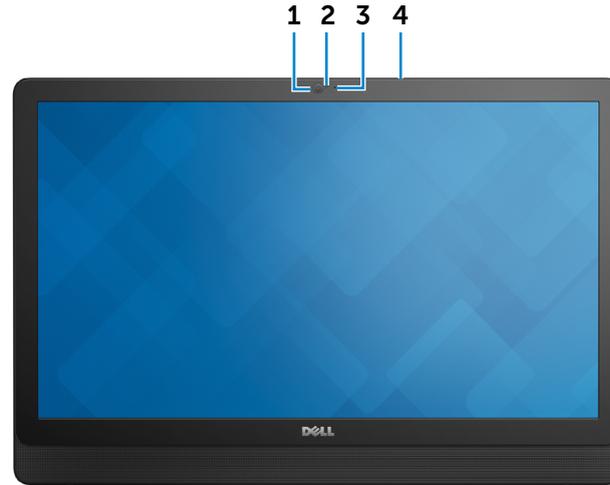
1 Camera

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

Left

1

2

3
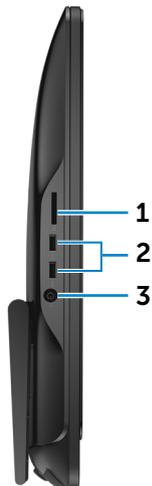
1 **Media-card reader**

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).

Views

Front

Left

Right

Back

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**.

Views

Front

Left

Right

Back

Back
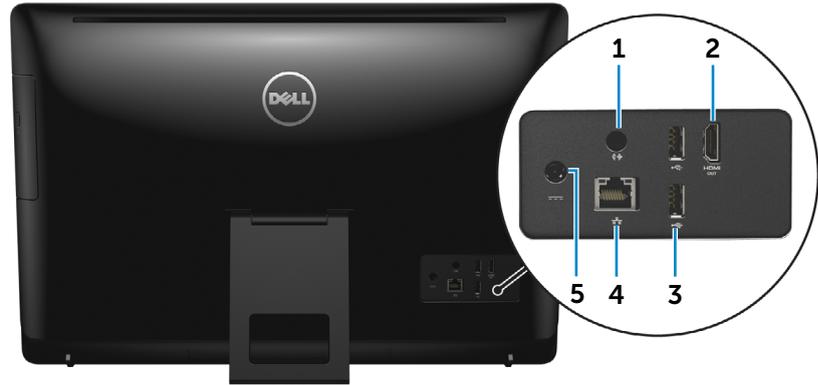
1   Audio-out port

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.

Stand

12°−45°

Specifications

Dimensions and weight

Height	387.33 mm (15.25 in)	
Width	576.62 mm (22.70 in)	
Depth:	**With stand**	**Without stand**
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)	
	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
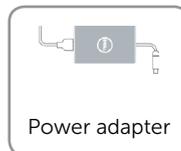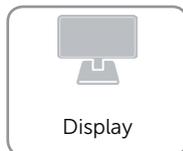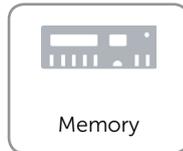
Specifications

System information

Computer model	Inspiron 24-3455
Processor	• AMD A8-7410 • AMD A6-7310 • AMD E2-7110
System chipset	Integrated in processor

Dimensions and weight
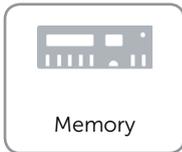
System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display
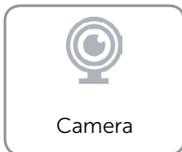
Camera

Stand
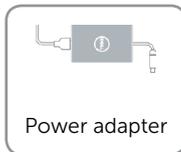
Power adapter

Computer environment

Memory

Slots	Two SODIMM slots
Type	Dual-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		
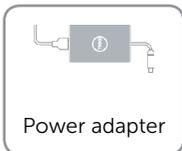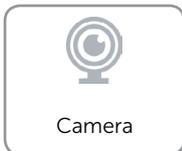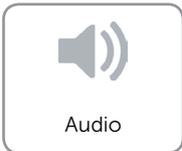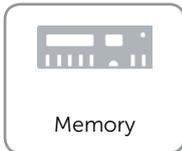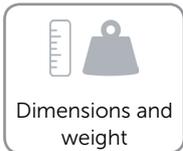
Specifications

Ports and connectors

External:	
Network	One RJ45 port
USB	• Two USB 2.0 ports • Two USB 3.0 ports
Audio/Video	• One combo jack port • One audio line-out port • One HDMI-out port
Internal:	
M.2 card	One M.2 card slot for WLAN and Bluetooth

Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Camera	Stand	Power adapter	Computer environment		
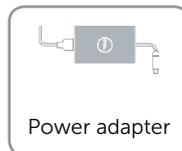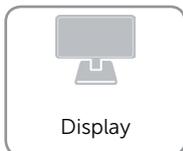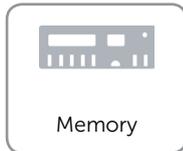
Specifications

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

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

Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Camera	Stand	Power adapter	Computer environment		

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		
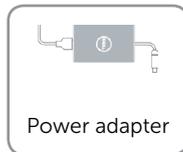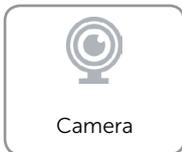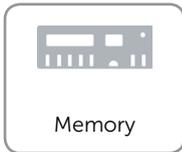
Specifications

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
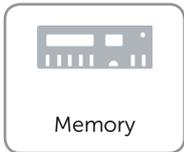
System information

Memory

Ports and connectors

Communications

Video
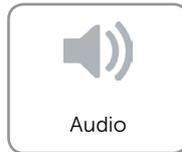
Audio

Storage

Media-card reader
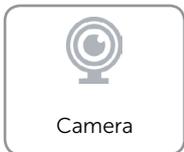
Display

Camera

Stand
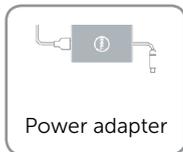
Power adapter

Computer environment

Specifications

Display

| Type	• 23.8-in FHD touchscreen
	• 23.8-in FHD non-touchscreen
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

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Camera

Stand

Power adapter

Computer environment

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

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°

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Camera

Stand

Power adapter

Computer environment
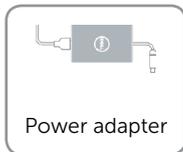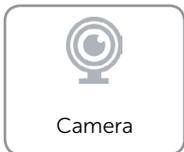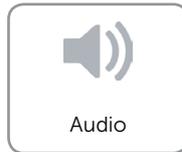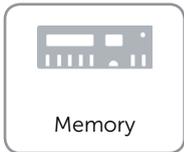
Power adapter

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)

Dimensions and weight | System information | Memory | Ports and connectors | Communications | Video | Audio | Storage

Media-card reader | Display | Camera | Stand | Power adapter | Computer environment
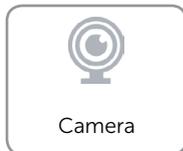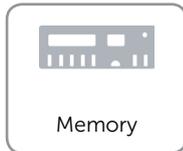
Computer environment

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

Dimensions and weight   System information   Memory   Ports and connectors   Communications   Video   Audio   Storage

Media-card reader   Display   Camera   Stand   Power adapter   Computer environment