Inspiron 24

7000 Series

Views

Specifications

2015 - 08   Rev. A00

Regulatory model: W07C | Type: W07C003

Computer model: Inspiron 24-7459

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

Front

**Front**

Left

Right

Back

Tilt
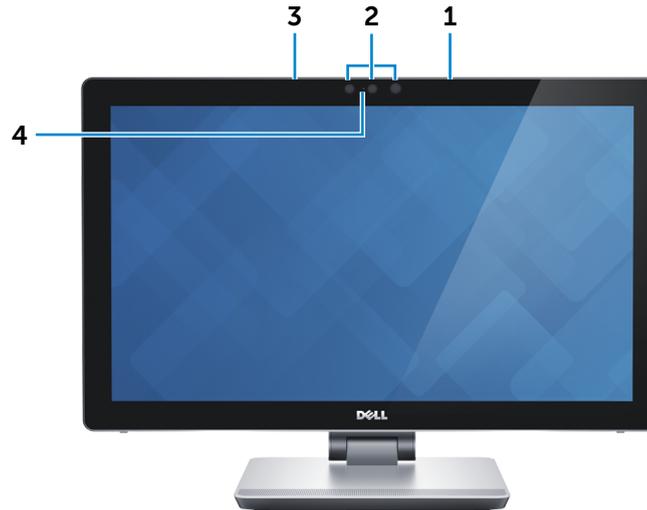
1   Right microphone

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

2   Intel RealSense 3D Camera (optional)

Allows to capture and stream three-dimensional images. Enables enhanced interactivity during video conferencing, online gaming, and so on.

Camera

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

3   Left microphone

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

4   Camera-status light

Turns on when the camera is in use.

Left

Front

Left

Right

Back

Tilt

1   **USB 3.0 port (supports fast charging)**

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

2   **USB 3.0 port**

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

Views

Right

Front

Left

Right

Back

Tilt
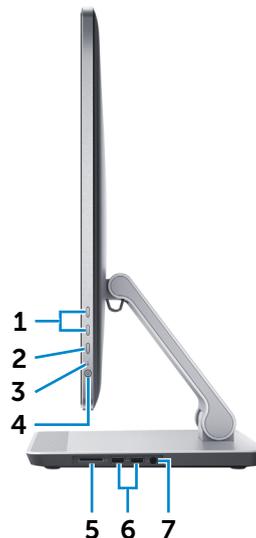
1   **Brightness-control buttons (2)**

Press to increase or decrease the brightness of the screen.

2   **Input source selection button/screen-off button**

Press and release to switch between the input source.

Press and hold to turn off the display.

3   **Hard-drive activity light**

Turns on when the computer reads from or writes to the hard drive.

4   **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**

5   **Media-card reader**

Reads from and writes to media cards.

6   **USB 3.0 ports (2)**

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

7   **Headset port**

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

Views

Back

Front

Left

Right

Back

Tilt
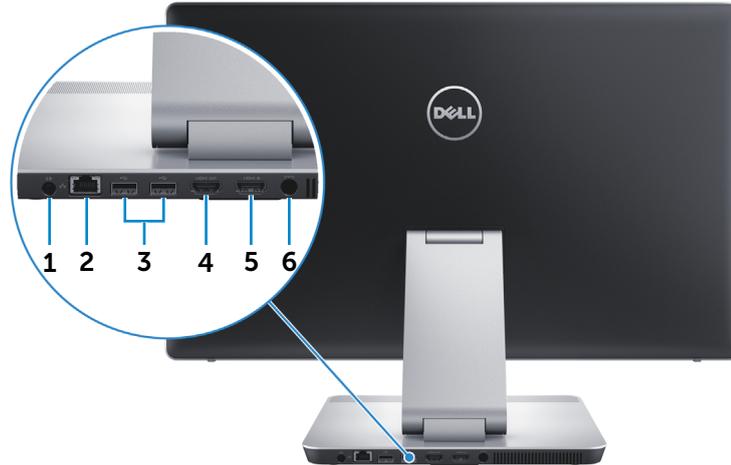
1   Audio-out port

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

2   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.

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   HDMI-out port

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

5   HDMI-in port

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

6   Power-adapter port

Connect a power adapter to provide power to your computer.

Views

Front

Left

Right

Back

Tilt

Tilt

60°

5°

Transform

Specifications

Dimensions and weight

Height	430.83 mm (16.96 in)
Width	582.98 mm (22.95 in)
Depth	240.96 mm (9.49 in)
Weight (maximum):	
Without stand	8.05 kg (17.75 lb)
With stand	9.48 kg (20.90 lb)
	NOTE: The weight of your computer varies depending on the configuration ordered and manufacturing variability.

Dimensions and weight
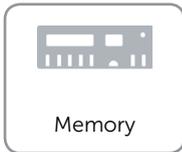
System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display
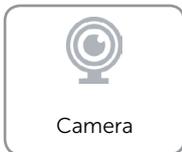
Camera

Stand
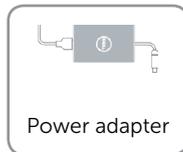
Power adapter

Computer environment

Specifications

System information

Computer model	Inspiron 24-7459
Processor	• 6th Generation Intel Core i3 • 6th Generation Intel Core i5 • 6th Generation Intel Core i7
System chipset	Intel HM170

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 DDR4
Speed	Up to 1600 MHz
Configurations supported	4 GB, 8 GB, 12 GB, and 16 GB

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Camera

Stand

Power adapter

Computer environment
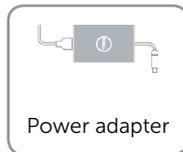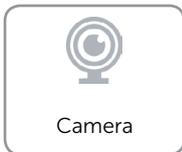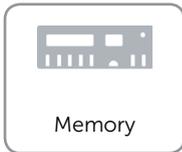
Specifications

Ports and connectors

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

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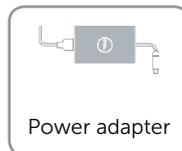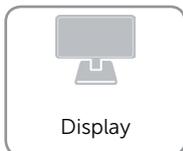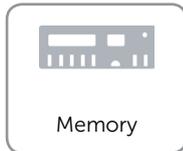
Specifications

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11b/g/n • Wi-Fi 802.11ac • Bluetooth 4.0 • Intel WiDi (optional)

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

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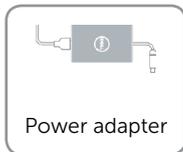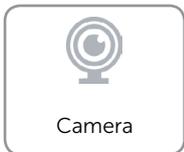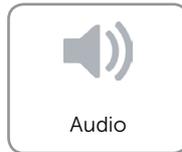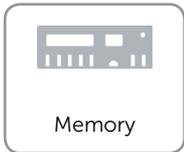
Specifications

Video

Controller:	
Integrated	Intel HD Graphics 530
Discrete	NVIDIA Ge Force 940M
Memory:	
Integrated	Shared system memory
Discrete	4 GB DDR3

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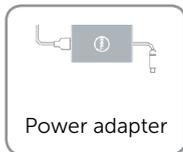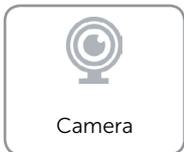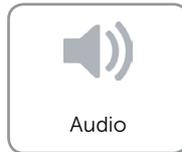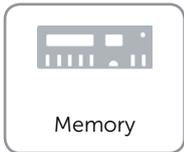
Audio

Controller	Realtek ALC3661 Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	4 W
Peak	4.5 W
Microphone	Digital 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
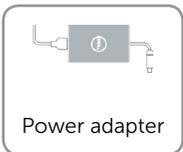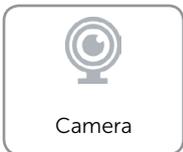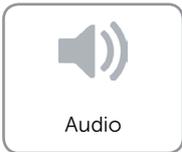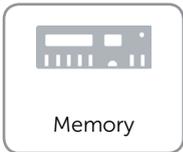
Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive (supports Intel Smart Response Technology)
SSD	One 32 GB M.2 SSD (optional)

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

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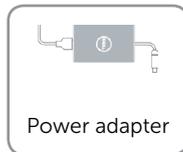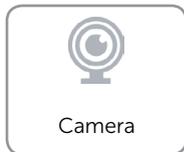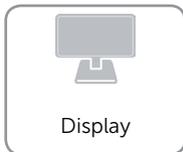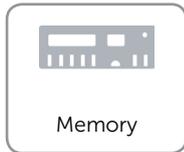
Media-card reader

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
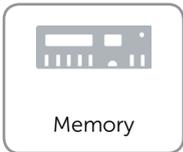
System information

Memory

Ports and connectors

Communications

Video
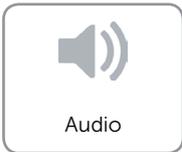
Audio

Storage

Media-card reader
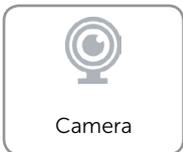
Display

Camera

Stand
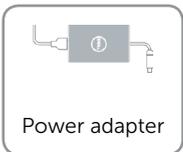
Power adapter

Computer environment

Specifications

Display

Type	23.8-inch full HD touchscreen
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	347.62 mm (13.69 in)
Width	569.38 mm (22.42 in)
Refresh rate	60 Hz
Pixel pitch	0.2652 mm
Controls	Brightness can be controlled through the brightness-control buttons

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

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Storage

Media-card reader

Display

Camera

Stand

Power adapter

Computer environment
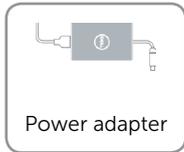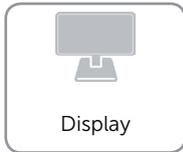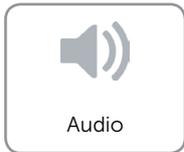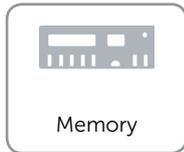
Specifications

Camera

|	Photo/Video	Infrared	Photo/Video
Resolution (maximum)	1920 x 1080 (FHD)	640 x 480 (VGA)	1920 x 1080 (FHD)
Aspect ratio	16:9	4:3	16:9
Diagonal viewing angle	77 degrees	90 degrees	74.9 degrees
Frame rate (varies with resolution)	30/60/120 fps	30/60/120 fps	30 fps
Field of view	77 x 43 x 70 degrees	90 x 59 x 73 degrees	74.9 x 40 x 67 degrees
Depth data types	N/A	Depth, texture mapping, infrared, and word mapping	N/A
Still image		2 megapixels	2 megapixels
Effective range		0.20 m–1.20 m	N/A
Effective range for gestures		• 20 cm–55 cm (FHD) • 20 cm–60 cm (VGA)	N/A
Effective range for face tracking		• 2D face tracking: 35 cm–120 cm • 3D face tracking: 35 cm–70 cm	N/A

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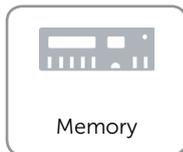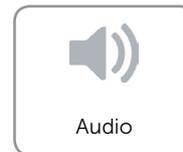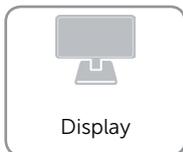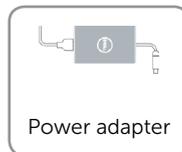
Stand

Width	267.30 mm (10.52 in)
Depth	240.96 mm (9.49 in)
Tilt	• 5° forward
	• 90° backward

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Camera

Stand

Power adapter

Computer environment
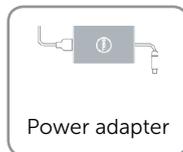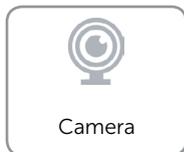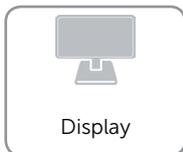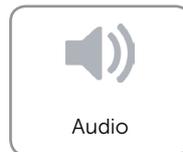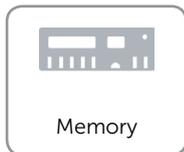
Specifications

Power adapter

Type	• 90 W
	• 130 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	2.50 A
Output current	4.62 A/6.7 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

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Media-card reader

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Power adapter

Computer environment

Specifications

Computer environment

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

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Media-card reader

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Computer environment