



Inspiron 24

7000 Series



Views

Specifications

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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.



Views



Front



Left



Right

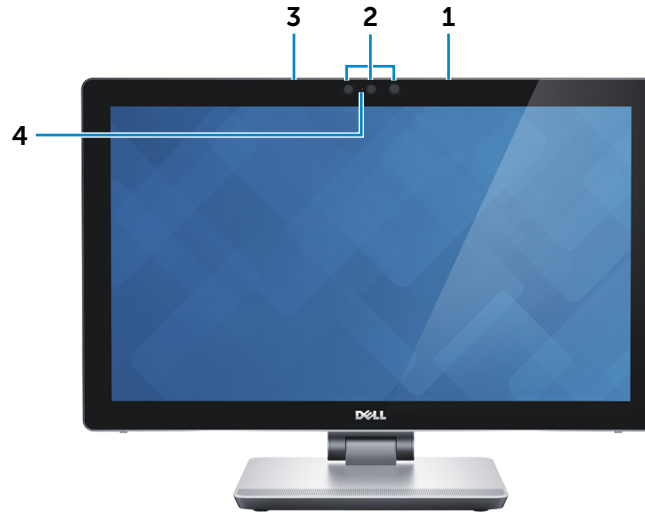


Back



Tilt

Front



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.



Front



Left



Right



Back



Tilt

Left



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.



Front



Left



Right

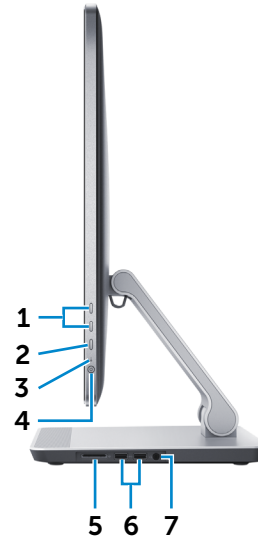


Back



Tilt

Right



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).



Front



Left



Right

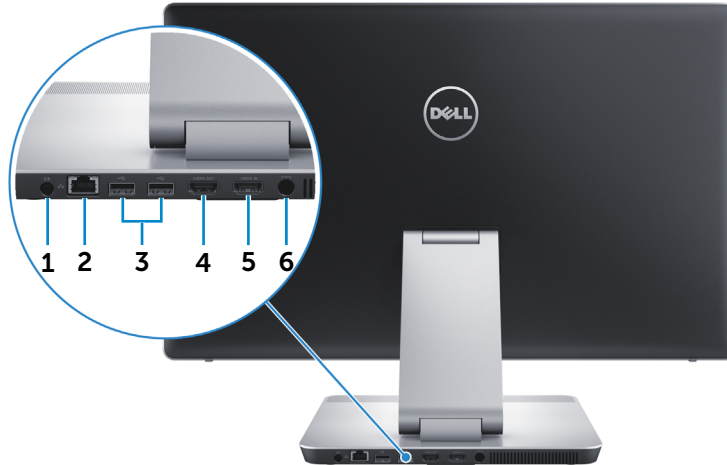


Back



Tilt

Back



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-adaptor port

Connect a power adapter to provide power to your computer.



Views



Front



Left



Right



Back



Tilt

Tilt



Transform





Specifications

Dimensions and weight

Height	430.83 mm (16.96 in)
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Width	582.98 mm (22.95 in)
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Depth	240.96 mm (9.49 in)
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Weight (maximum):

Without stand	8.05 kg (17.75 lb)
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With stand	9.48 kg (20.90 lb)
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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



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Ports and connectors



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Specifications

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



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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
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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
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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



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Ports and connectors



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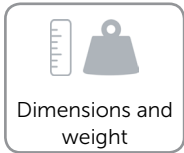
Computer environment



Specifications

Audio

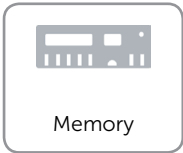
Controller	Realtek ALC3661 Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	4 W
Peak	4.5 W
Microphone	Digital microphones
Volume controls	Program menus



Dimensions and weight



System information



Memory



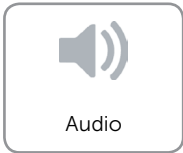
Ports and connectors



Communications



Video



Audio



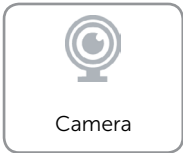
Storage



Media-card reader



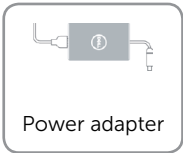
Display



Camera



Stand



Power adapter



Computer environment



Specifications

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)



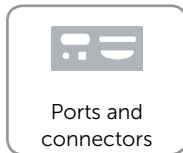
Dimensions and
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Memory



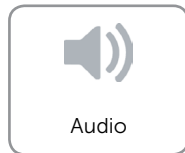
Ports and
connectors



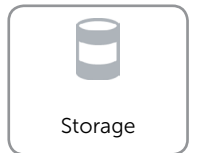
Communications



Video



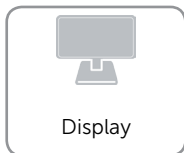
Audio



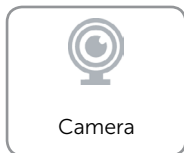
Storage



Media-card
reader



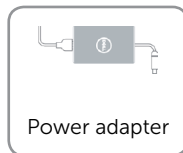
Display



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



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Ports and connectors



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Media-card reader



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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



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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



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Specifications

Stand

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



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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)



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Specifications

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.



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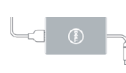
Display



Camera



Stand



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