



# 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.



Front



Left



Right

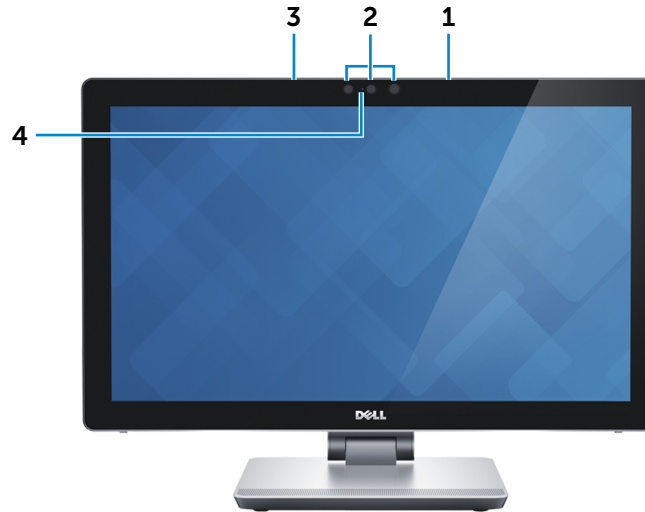


Back



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

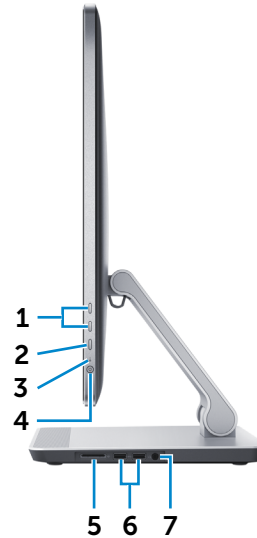


Back



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](http://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

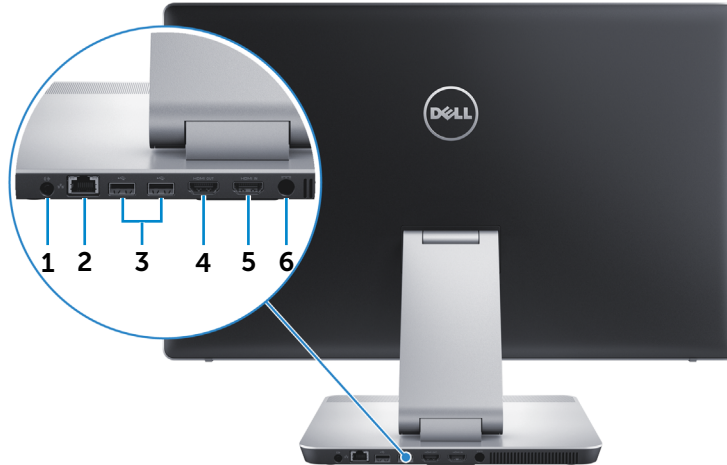


Back



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) |
|--------|----------------------|

|       |                      |
|-------|----------------------|
| 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

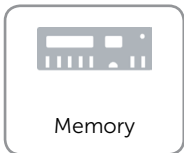
|                |                                                                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Computer model | Inspiron 24-7459                                                                                                                                                                              |
| Processor      | <ul style="list-style-type: none"><li>• 6<sup>th</sup> Generation Intel Core i3</li><li>• 6<sup>th</sup> Generation Intel Core i5</li><li>• 6<sup>th</sup> Generation Intel Core i7</li></ul> |
| System chipset | Intel HM170                                                                                                                                                                                   |



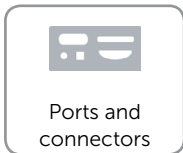
Dimensions and  
weight



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Memory



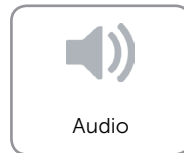
Ports and  
connectors



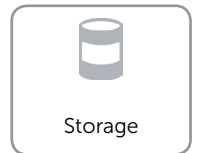
Communications



Video



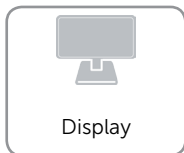
Audio



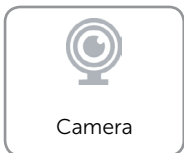
Storage



Media-card  
reader



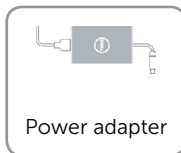
Display



Camera



Stand



Power adapter



Computer  
environment



# Specifications

## Memory

|                          |                              |
|--------------------------|------------------------------|
| Slots                    | Two SODIMM slots             |
| Type                     | Dual-channel DDR4            |
| Speed                    | Up to 1600 MHz               |
| Configurations supported | 4 GB, 8 GB, 12 GB, and 16 GB |



Dimensions and weight



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# Specifications

## Ports and connectors

### External:

|             |                                                                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network     | One RJ45 port                                                                                                                                          |
| USB         | <ul style="list-style-type: none"><li>• Two USB 2.0 ports</li><li>• Four USB 3.0 ports</li></ul>                                                       |
| Audio/Video | <ul style="list-style-type: none"><li>• One headset port</li><li>• One audio-out port</li><li>• One HDMI-out port</li><li>• One HDMI-in port</li></ul> |

### Internal:

|     |                                                                                                                                 |
|-----|---------------------------------------------------------------------------------------------------------------------------------|
| M.2 | <ul style="list-style-type: none"><li>• One M.2 slot for WLAN and Bluetooth combo card</li><li>• One M.2 slot for SSD</li></ul> |
|-----|---------------------------------------------------------------------------------------------------------------------------------|



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# 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><li>• Intel WiDi (optional)</li></ul> |



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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             |



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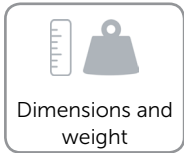
Computer environment



# Specifications

## Audio

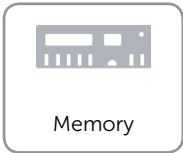
|                 |                                     |
|-----------------|-------------------------------------|
| Controller      | Realtek ALC3661 Waves MaxxAudio Pro |
| Speakers        | Two                                 |
| Speaker output: |                                     |
| Average 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



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Memory



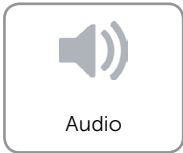
Ports and  
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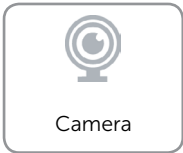
Storage



Media-card  
reader



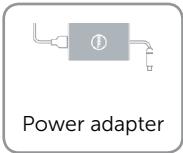
Display



Camera



Stand



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# 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)                                  |



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# 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> |



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# 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        | <ul style="list-style-type: none"><li>• 20 cm–55 cm (FHD)</li><li>• 20 cm–60 cm (VGA)</li></ul>                          |                                                    | N/A                    |
| Effective range for face tracking   | <ul style="list-style-type: none"><li>• 2D face tracking: 35 cm–120 cm</li><li>• 3D face tracking: 35 cm–70 cm</li></ul> |                                                    | N/A                    |



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# Specifications

## Stand

|       |                                                                                     |
|-------|-------------------------------------------------------------------------------------|
| Width | 267.30 mm (10.52 in)                                                                |
| Depth | 240.96 mm (9.49 in)                                                                 |
| Tilt  | <ul style="list-style-type: none"><li>• 5° forward</li><li>• 90° backward</li></ul> |



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# Specifications

## Power adapter

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Type                 | <ul style="list-style-type: none"><li>• 90 W</li><li>• 130 W</li></ul> |
| 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           |                                              |
|                             | <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<br>(−50 ft to 10,000 ft) | −15.2 m to 10,668 m<br>(−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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