



Inspiron 24

5000 Series



Views

Specifications

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2016 - 05 Rev. A01

Regulatory model: W12C | Type: W12C004

Computer model: Inspiron 24-5459

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



Views



Front



Left



Right

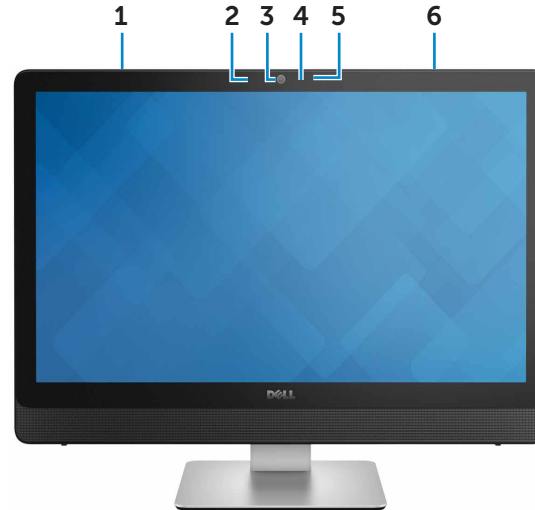


Back



Tilt

Front



1 Left microphone (touch screen model)

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

2 Left microphone (non-touch screen model)

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

3 Camera

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

4 Camera-status light

Turns on when the camera is in use.

5 Right microphone (non-touch screen model)

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

6 Right microphone (touch screen model)

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



Views



Front



Left



Right

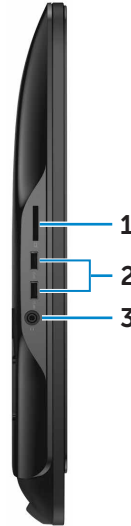


Back



Tilt

Left



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 headset (headphone and microphone combo).



Views



Front



Left



Right



Back



Tilt

Right



1 Optical drive (optional)

Reads from and writes to CDs and DVDs.

2 Brightness-control buttons (2)

Press to increase or decrease the display brightness.

3 Screen-off button

Press and hold to turn off the display; press again to turn on the display.

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 to sleep if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.



NOTE: You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at www.dell.com/support.



Front



Left



Right



Back



Tilt

Back



1 Line-out port

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

2 HDMI-out port

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

3 HDMI-in

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

4 USB 2.0 ports (4)

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

5 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.

6 Power-adaptor port

Connect a power adapter to provide power to your computer.



Views



Front



Left



Right



Back



Tilt

Stand

Articulating stand



Pedestal stand





Specifications

Dimensions and weight

Height	387.33 mm (15.25 in)	
Width	572.62 mm (22.54 in)	
Depth	38.40 mm (1.51 in)	
Weight (maximum):	Touchscreen	Non-touchscreen
Without stand	6.98 kg (15.39 lb)	5.89 kg (12.99 lb)
With pedestal stand	8.40 kg (18.52 lb)	7.31 kg (16.11 lb)
With articulating stand	9.98 kg (22.00 lb)	8.88 kg (19.58 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

VESA

Wall mount



Power adapter



Computer
environment



Specifications

System information

Computer model	Inspiron 24 5459
Processor	• 6th Generation Intel Core i3 • 6th Generation Intel Core i5 • 6th Generation Intel Core i7 • 6th Generation Intel Pentium
System chipset	Intel H110



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Specifications

Memory

Slots	Two SODIMM slots
Type	Dual-channel DDR3
Speed	Up to 1600 MHz
Configurations supported	2 GB, 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	• Four USB 2.0 ports • Two USB 3.0 ports
Audio/Video	• One headset port • One line-out port • One HDMI-out port • One HDMI-in port

Internal:

M.2	One M.2 slot for WLAN and Bluetooth combo card
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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



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Specifications

Video

Controller:

Integrated

- Intel HD Graphics 4400
- Intel HD Graphics 530

Discrete

NVIDIA GeForce 930M

Memory:

Integrated

Shared system memory

Discrete

4 GB DDR3



Dimensions and
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Specifications

Audio

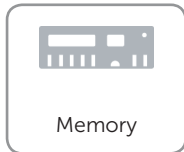
Controller	Realtek ALC3661 with Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	3 W
Peak	3.5 W
Microphone	Dual digital-microphones
Volume controls	Program menus



Dimensions and weight



System information



Memory



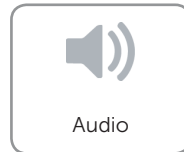
Ports and connectors



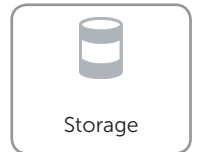
Communications



Video



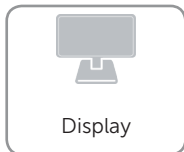
Audio



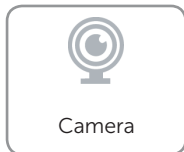
Storage



Media-card reader



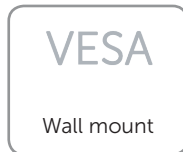
Display



Camera



Stand



Wall mount



Power adapter



Computer environment



Specifications

Storage

Interface	• SATA 3 Gbps for optical drive • SATA 6 Gbps for hard drive
Hard drive	One 2.5-inch drive
Optical drive	One 9.5-mm DVD+/-RW drive

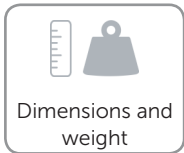
 Dimensions and weight	 System information	 Memory	 Ports and connectors	 Communications	 Video	 Audio	 Storage
 Media-card reader	 Display	 Camera	 Stand	VESA Wall mount	 Power adapter	 Computer environment	



Specifications

Media-card reader

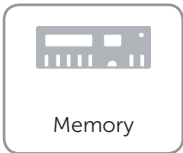
Type	One 4-in-1 slot
Cards supported	• SD card • MultiMediaCard (MMC) • SD Extended Capacity (SDXC) card • SD High Capacity (SDHC) card



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



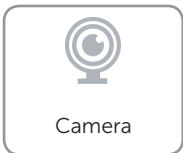
Storage



Media-card reader



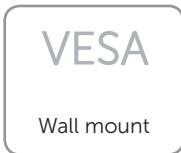
Display



Camera



Stand



Wall mount



Power adapter



Computer environment



Specifications

Display

Type	• 23.8-inch full-HD touch screen • 23.8-inch full-HD non-touch screen
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	317.40 mm (12.50 in)
Width	543 mm (21.38 in)
Diagonal	604.52 mm (23.80 in)
Refresh rate	60 Hz
Pixel pitch	0.2745 mm x 0.2745 mm
Controls	Brightness can be controlled through the brightness-control buttons



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Specifications

Camera

Resolution:

Still image	0.92 megapixels
Video	1280 x 720 at 30 fps (maximum)
Diagonal viewing angle	74 degrees



Dimensions and
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Specifications

Stand

	Pedestal	Articulating
Height	215.20 mm (8.47 in)	205.28 mm (8.08 in)
Width	225.42 mm (8.87 in)	250 mm (9.84 in)
Depth	205 mm (8.07 in)	226.46 mm (8.92 in)



Dimensions and weight



System information



Memory



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Media-card reader



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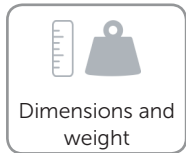
Computer environment



Specifications

VESA wall mount

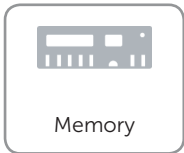
Type	VESA MIS-D, 100, C
Hole mount pattern	100 x 100 mm
Screw type	M4
Minimum clearance from wall	20 mm (0.79 in)



Dimensions and weight



System information



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Ports and connectors



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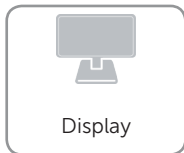
Audio



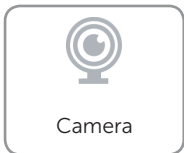
Storage



Media-card reader



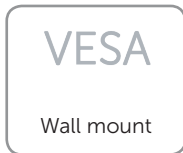
Display



Camera



Stand



Wall mount



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 (maximum)	2.50 A
Output current:	4.62 A/6.70 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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