



Inspiron 24

3000 Series



Views

Specifications

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2015 - 07 Rev. A00

Regulatory model: W12C | Type: W12C003

Computer model: Inspiron 24-3459

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



Views



Front



Left



Right

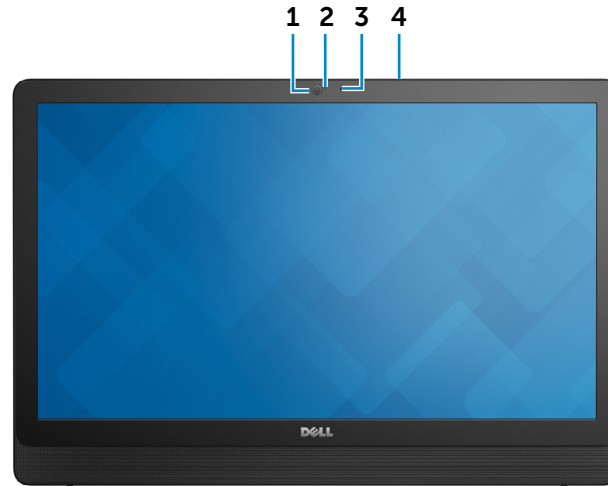


Back



Tilt

Front



1 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.



Views



Front



Left



Right

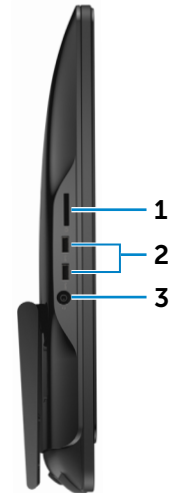


Back



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 headphone and microphone combo (headset).



Front



Left



Right

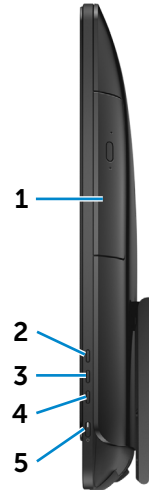


Back



Tilt

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.



Front



Left



Right

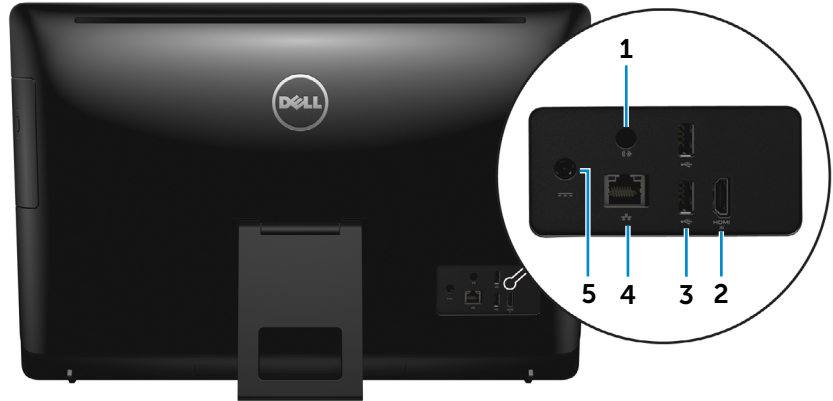


Back



Tilt

Back



1 Audio-out port

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

2 HDMI-in port

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

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-adaptor port

Connect a power adapter to provide power to your computer.



Views



Front



Left



Right



Back



Tilt

Tilt

Easel Stand



Pedestal Stand





Specifications

Dimensions and weight

Height:			
Easel stand	387.33 mm (15.25 in)		
Pedestal stand	440.33 mm (17.34 in)		
Width	576.62 mm (22.70 in)		
Depth:	With easel stand	With pedestal stand	Without stand
Touchscreen	61.18 mm (2.41 in)	205.60 mm (8.09 in)	38.20 mm (1.50 in)
Non-touchscreen	61.88 mm (2.44 in)	205.60 mm (8.09 in)	39.30 mm (1.55 in)
Weight (maximum):			
Touchscreen	7.62 kg (16.80 lb)	8.40 kg (18.52 lb)	6.98 kg (15.39 lb)
Non-touchscreen	6.52 kg (14.37 lb)	7.31 kg (16.12 lb)	5.89 kg (12.99 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 24-3459
Processor	6th Generation Intel Core i3 Processor 6th Generation Intel Core i5 Processor
System chipset	Integrated in processor



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Specifications

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



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Ports and connectors



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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-in port

Internal:

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



Dimensions and weight



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Ports and connectors



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Media-card reader



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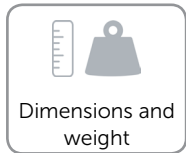
Computer environment



Specifications

Video

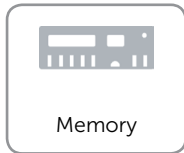
Controller:	
Integrated	Integrated in processor
Discrete	AMD Radeon R5 A335
Memory:	
Integrated	Shared system memory
Discrete	2GB DDR3L



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



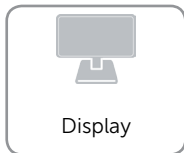
Audio



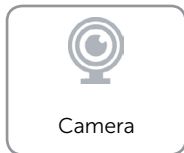
Storage



Media-card reader



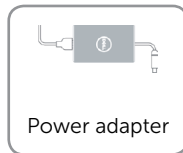
Display



Camera



Stand



Power adapter



Computer environment



Specifications

Audio

Controller	Realtek ALC3661 Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	3 W
Peak	3.5 W
Microphone	Digital single microphone
Volume controls	Program menus



Dimensions and weight



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Specifications

Storage

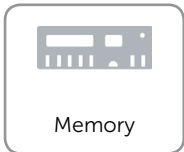
Interface	• SATA 3 Gbps for optical drive • SATA 6 Gbps for hard drive
Hard drive	One 2.5-in drive
Optical drive	One 9.5-mm DVD+/-RW drive (optional)



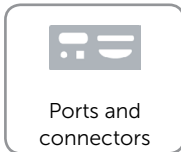
Dimensions and weight



System information



Memory



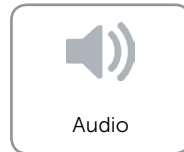
Ports and connectors



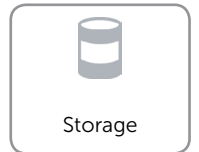
Communications



Video



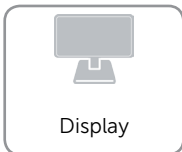
Audio



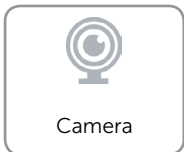
Storage



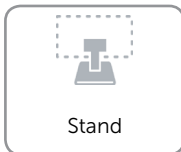
Media-card reader



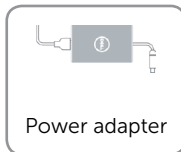
Display



Camera



Stand



Power adapter



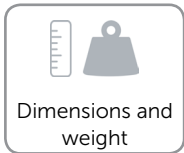
Computer environment



Specifications

Media-card reader

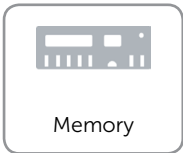
Type	One 4-in-1 slot
Cards supported	• SD card • MultiMediaCard (MMC) • SD Extended Capacity (SDXC) card • SD High Capacity (SDHC) card



Dimensions and weight



System information



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Ports and connectors



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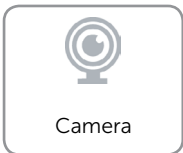
Storage



Media-card reader



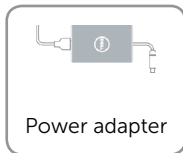
Display



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	296.46 mm (11.67 in)
Width	527.04 mm (20.75 in)
Diagonal	604.70 mm (23.80 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



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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



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Stand

Easel stand

Pedestal stand

Height	174.80 mm (6.88 in)	227.70 mm (8.96 in)
Width	120 mm (4.72 in)	205.60 mm (8.09 in)
Depth	22.77 mm (0.90 in)	225.42 mm (8.87 in)
Operating angle	12.5° to 45°	-5° to 30°



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Specifications

Power adapter

Type	• 65 W • 90 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A/2.50 A
Output current:	
65 W	3.34 A
90 W	4.62 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

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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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