



Inspiron 14

5000 Series



Views

Specifications

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2015-11 Rev. A03

Regulatory model: P64G | Type: P64G001/P64G003/P64G004/P64G005

Computer model: Inspiron 14-5451/Inspiron 14-5452/Inspiron 14-5458/Inspiron 14-5459

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



Front



Left



Right



Base



Display

Front



1 Power and battery-status light/hard-drive activity light

Indicates the power and battery-charge status.
Press Fn+H to toggle this light between hard-drive activity light and battery-status light.

- | | |
|-------------|--|
| Solid white | Power adapter is connected and the battery has more than 5% charge. |
| Amber | Computer is running on battery and the battery has less than 5% charge. |
| Off | <ul style="list-style-type: none">Power adapter is connected and the battery is fully charged.Computer is running on battery and the battery has more than 5% charge.Computer is in sleep state, hibernation, or turned off. |



Front



Left



Right



Base



Display

Left



1 Power-adaptor port

Connect a power adapter to provide power to your computer and charge the battery.

2 Network port (Inspiron 14-5458 and Inspiron 14-5459 only)

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

3 HDMI port

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

4 USB 3.0 port

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

5 Media-card reader

Reads from and writes to media cards.



Front



Left



Right



Base



Display

Right



1 Headset port

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

2 USB 2.0 ports (2)

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

3 Optical drive

Reads from and writes to CDs and DVDs.

4 Security-cable slot

Connect a security cable to prevent unauthorized movement of your computer.



Base

Front

Left

Right

Base

Display



1 Left-click area

Press to left-click.

2 Touch pad

Move your finger on the touch pad to move the mouse pointer. Tap to left-click.

3 Right-click area

Press to right-click.

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 behavior in Power Options. For more information, see *Me and My Dell* at www.dell.com/support/manuals.



Display

Front

Left

Right

Base

Display



1 Left microphone (Inspiron 14-5458 and Inspiron 14-5459 only)

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

2 Camera

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

3 Camera-status light

Turns on when the camera is in use.

4 Right microphone

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



Specifications

Dimensions and weight

Height:

Touch (Inspiron 14-5458 and Inspiron 14-5459 only)	23.60 mm (0.93 in)
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Non-touch	23.35 mm (0.92 in)
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Width	345 mm (13.58 in)
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Depth	243 mm (9.56 in)
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Weight (minimum):

Touch (Inspiron 14-5458 and Inspiron 14-5459 only)	2.18 kg (4.80 lb)
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Non-touch	1.92 kg (4.23 lb)
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NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and
weight



System
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Memory



Ports and
connectors



Communications



Video



Audio



Storage



Media-card
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Display



Keyboard



Camera



Touch pad



Battery



Power adapter



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Specifications

System information

Computer model	Inspiron 14-5458 and Inspiron 14-5459	Inspiron 14-5451 and Inspiron 14-5452
Processor	• 4th Generation Intel Core i3/i5 • 5th Generation Intel Core i3/i5/i7 • 6th Generation Intel Core i3/i5/i7 • Intel Celeron Dual Core • Intel Pentium Dual Core	• Intel Celeron Dual Core • Intel Pentium Quad Core
Chipset	Integrated in processor	Integrated in processor



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Specifications

Memory

	Inspiron 14-5458 and Inspiron 14-5459	Inspiron 14-5451	Inspiron 14-5452
Slots	Two SODIMM slots	One SODIMM slot	One SODIMM slot
Type	DDR3L	DDR3L	DDR3L
Speed	1600 MHz	1300 MHz	1600 MHz
Configurations supported	2 GB, 4 GB, 6 GB, 8 GB, 12 GB, and 16 GB	2 GB, 4 GB, and 8 GB	2 GB, 4 GB, and 8 GB



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Specifications

Ports and connectors

External:

Network	One RJ45 port (Inspiron 14-5458 and Inspiron 14-5459 only)
USB	• Two USB 2.0 ports • One USB 3.0 port
Audio/video	• One HDMI port • One headset port (headphone and microphone combo)

Internal:

M.2	One M.2 card slot for Wi-Fi and Bluetooth combo card
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Specifications

Communications

Ethernet

10/100 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11ac
- Wi-Fi 802.11b/g/n
- Bluetooth 4.0



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Video

	Inspiron 14-5458 and Inspiron 14-5459	Inspiron 14-5451 and Inspiron 14-5452
Controller:		
Integrated	- Intel HD Graphics - Intel HD Graphics 520 - Intel HD Graphics 4400 - Intel HD Graphics 5500 - Intel HD Graphics 6000	Intel HD Graphics
Discrete	- NVIDIA GeForce 920M (Inspiron 14-5458 only) - AMD Radeon R5 M335 (Inspiron 14-5459 only)	N/A
Memory:		
Integrated	Shared system memory	Shared system memory
Discrete	Up to 4 GB DDR3L	N/A



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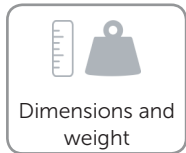
Computer
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Specifications

Audio

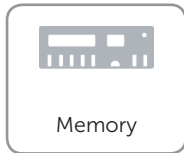
Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.2 W
Microphone	• Single microphone • Digital array-microphones (Inspiron 14-5458 and Inspiron 14-5459 only)
Volume controls	Media-control shortcut keys



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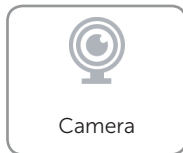
Media-card
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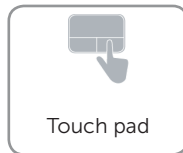
Display



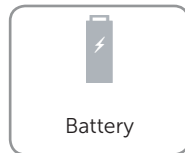
Keyboard



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Specifications

Storage

Interface

- SATA 3 Gbps (Inspiron 14-5451)
- SATA 6 Gbps (Inspiron 14-5452, Inspiron 14-5458, and Inspiron 14-5459)

Hard drive

- One 2.5-inch drive (supports Intel Smart Response Technology)

Optical drive

One 9.5 mm DVD+/-RW drive



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Specifications

Media-card reader

Type	One SD card slot
Card supported	SD card



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Display

Type	• 14-inch HD WLED • 14-inch HD WLED touch screen	
Resolution (maximum)	1366 x 768	
Refresh rate	60 Hz	
Operating angle	0 degree (closed) to 135 degrees	
Pixel pitch	0.2265 mm	
Controls	Brightness can be controlled using shortcut keys.	
	Inspiron 14-5458 and Inspiron 14-5459	Inspiron 14-5451 and Inspiron 14-5452
Dimensions:		
Touch screen:		
Height	174.95 mm (6.88 in)	N/A
Width	310.40 mm (12.22 in)	N/A
Diagonal	356.31 mm (14.02 in)	N/A
Non-touch screen:		
Height	173.95 mm (6.85 in)	173.95 mm (6.85 in)
Width	309.40 mm (12.18 in)	309.40 mm (12.18 in)
Diagonal	354.95 mm (13.97 in)	354.95 mm (13.97 in)



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Keyboard

Type	Chiclet keyboard
Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key. NOTE: You can change the behavior of the shortcut keys by pressing Fn+Esc or by changing Function Key Behavior in BIOS setup program.

[List of shortcut keys.](#)





Shortcut keys

F1 	Mute audio
F2 	Decrease volume
F3 	Increase volume
F4 	Play previous track/chapter
F5 	Play/Pause
F6 	Play next track/chapter
F8 	Switch to external display
F9 	Search
F10 	Toggle keyboard backlight (Inspiron 14-5458 and Inspiron 14-5459 only)
F11 	Decrease brightness
F12 	Increase brightness

Fn + 	Turn off/on wireless
Fn + 	Toggle Fn-key lock
Fn + 	Sleep
Fn + 	Toggle between power and battery-status light/hard-drive activity light
Fn + 	Pause/Break
Fn + 	System request
Fn + 	Open application menu
Fn + 	Toggle Scroll Lock
Fn + 	End
Fn + 	Home
Fn + 	Page Up
Fn +	Page Down



Specifications

Camera

Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 HD at 30 fps
Diagonal viewing angle	74 degrees



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Touch pad

Resolution:

Horizontal 1223 dpi

Vertical 1573 dpi

Dimensions:

Width 105 mm (4.13 in)

Height 65 mm (2.55 in)



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Battery

Type	• 4 cell "smart" lithium ion (40 WHr) • 4 cell "smart" lithium ion (47 WHr)
Dimensions:	
Width	270 mm (10.63 in)
Depth	37.50 mm (1.47 in)
Height	20 mm (0.78 in)
Weight (maximum)	0.25 kg
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	4 hours
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	–40°C to 65°C (–40°F to 149°F)
Coin-cell battery	CR-2032



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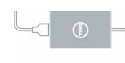
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Specifications

Power adapter

Type	• 45 W • 65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum):	
45 W	1.30 A
65 W	1.70 A
Output current (maximum):	
45 W	2.31 A
65 W	3.34 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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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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