



# Inspiron 14

5000 Series



Views

Specifications

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2015 - 11 Rev. A01

Regulatory model: P64G | Type: P64G002

Computer model: Inspiron 14-5455

**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"><li>• Power adapter is connected and the battery is fully charged.</li><li>• Computer is running on battery and the battery has more than 5% charge.</li><li>• Computer is in sleep state, hibernation, or turned off.</li></ul> |



Front



Left



Right



Base



Display

## Left



### 1 Power-adapter port

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

### 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 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 headphone and microphone combo (headset).

### 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.



Front



Left



Right



Base



Display

## Base



### 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](http://www.dell.com/support/manuals).



Front



Left



Right



Base



Display

## Display



**1 Left microphone**

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



# Specifications

## Dimensions and weight

### Height:

Touch 23.60 mm (0.93 in)

Non-touch 23.35 mm (0.92 in)

Width 345 mm (13.58 in)

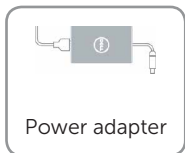
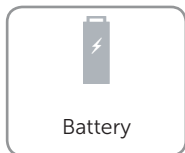
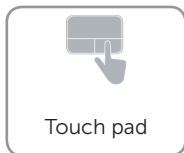
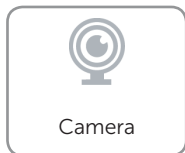
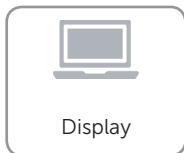
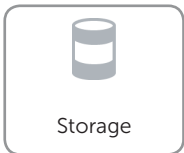
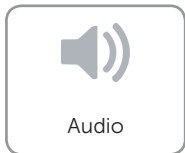
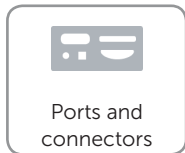
Depth 243 mm (9.56 in)

### Weight (maximum):

Touch 2.18 kg (4.80 lb)

Non-touch 1.92 kg (4.23 lb)

**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.





# Specifications

## System information


Computer model	<b>Inspiron 14-5455</b>
Processor	<ul style="list-style-type: none"><li>• AMD A6-7310 APU with Radeon R4 Graphics</li><li>• AMD A8-7410 APU with Radeon R5 Graphics</li><li>• AMD E2-7110 APU with Radeon R2 Graphics</li></ul>
Chipset	Integrated in processor



Dimensions and weight



System information



Memory




Ports and connectors




Communications



Video



Audio



Storage




Media-card reader



Display




Keyboard




Camera



Touch pad



Battery



Power adapter



Computer environment

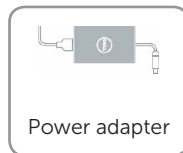
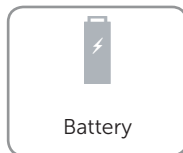
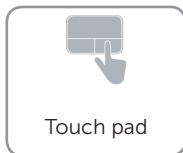
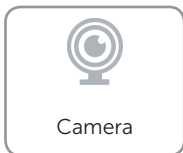
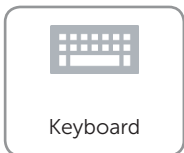
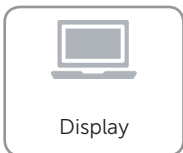
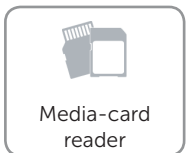
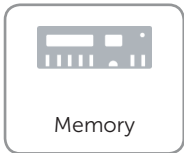
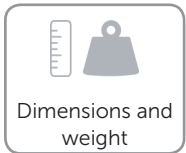




# Specifications

## Memory

Slots	Two SODIMM slots
Type	DDR3L
Speed	1600 MHz
Configurations supported	2 GB, 4 GB, 6 GB, 8 GB, 12 GB, and 16 GB





# Specifications

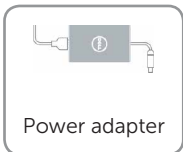
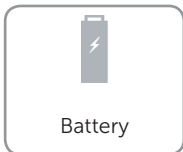
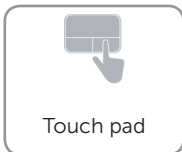
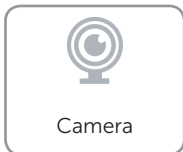
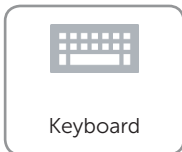
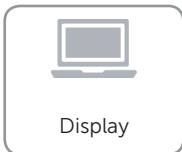
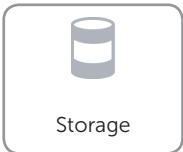
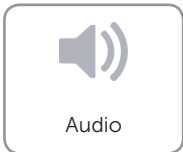
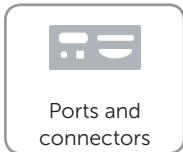
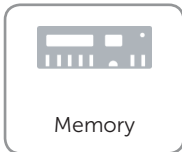
## Ports and connectors

### External:

Network	One RJ45 port
USB	<ul style="list-style-type: none"><li>• Two USB 2.0 ports</li><li>• One USB 3.0 port</li></ul>
Audio/video	<ul style="list-style-type: none"><li>• One HDMI port</li><li>• One headset port (headphone and microphone combo)</li></ul>

### 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

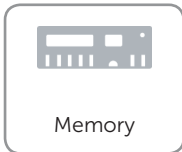
- Wi-Fi 802.11ac
- Wi-Fi 802.11b/g/n
- Bluetooth 4.0



Dimensions and weight



System information



Memory



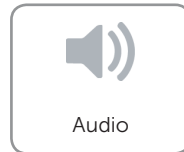
Ports and connectors



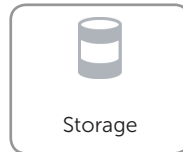
Communications



Video



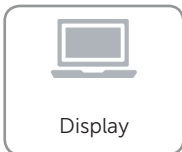
Audio



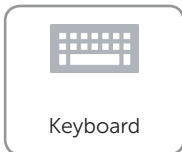
Storage



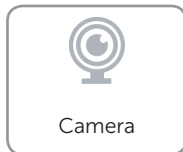
Media-card reader



Display



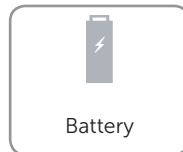
Keyboard



Camera



Touch pad



Battery



Power adapter




Computer environment



# Specifications

## Video


	Controller	Memory
Integrated	Integrated in processor	Shared system memory
Discrete	AMD Radeon R5 M335	2 GB



Dimensions and weight



System information



Memory




Ports and connectors




Communications




Video




Audio



Storage




Media-card reader



Display




Keyboard




Camera




Touch pad



Battery



Power adapter



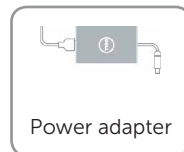
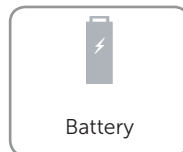
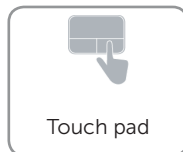
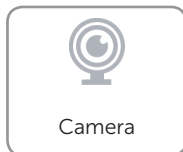
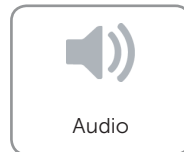
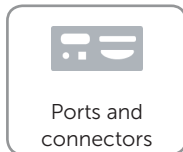
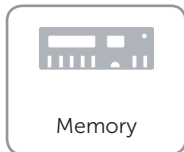
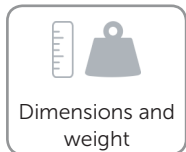
Computer environment



# Specifications

## Audio

Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.2 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys

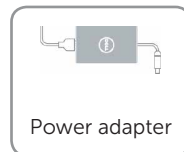
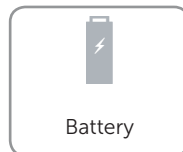
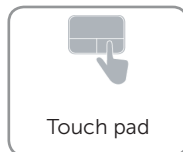
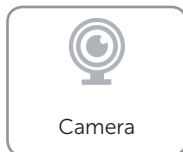
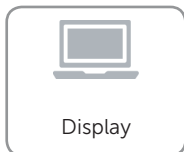
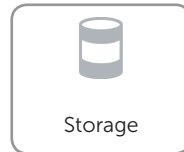
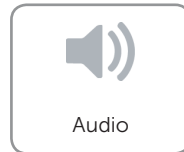
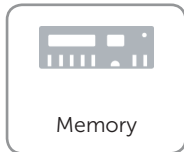




# Specifications

## Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive (supports Intel Smart Response Technology)
Optical drive	One 9.5 mm DVD+/-RW drive






# Specifications

## Media-card reader


Type	One SD card slot
Cards supported	SD card




Dimensions and weight



System information



Memory




Ports and connectors




Communications



Video



Audio



Storage




Media-card reader




Display




Keyboard




Camera




Touch pad



Battery



Power adapter



Computer environment



# Specifications

## Display

Type	14-inch HD WLED
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
Dimensions:	
Height	173.95 mm (6.85 in)
Width	309.40 mm (12.18 in)
Diagonal	354.95 mm (13.97 in)



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Keyboard



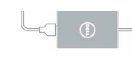
Camera



Touch pad



Battery



Power adapter



Computer environment





# Specifications


## 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.](#)



Dimensions and weight



System information



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Computer environment



## Shortcut keys

	Mute audio		+		Turn off/on wireless
	Decrease volume		+		Toggle Fn-key lock
	Increase volume		+		Sleep
	Play previous track/chapter		+		Toggle between power and battery-status light/hard-drive activity light
	Play/Pause		+		Pause/Break
	Play next track/chapter		+		System request
	Switch to external display		+		Open application menu
	Open Search		+		Toggle scroll lock
	Toggle keyboard backlight		+		End
	Decrease brightness		+		Home
	Increase brightness		+		Page Up
			+		Page Down



# Specifications

## Camera

Resolution:

Still image 0.92 megapixel

Video 1280 x 720 HD at 30 fps

Diagonal viewing angle 74 degrees



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Keyboard



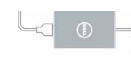
Camera



Touch pad



Battery



Power adapter



Computer environment



# Specifications

## Touch pad

### Resolution:

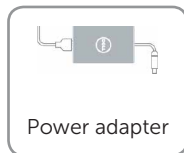
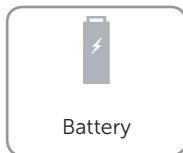
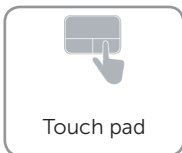
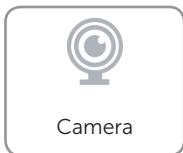
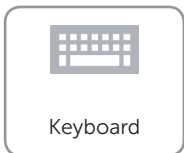
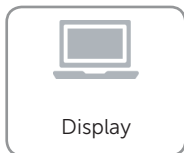
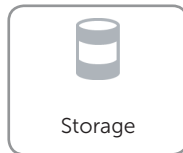
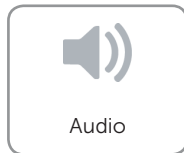
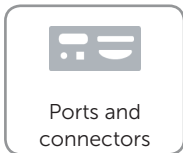
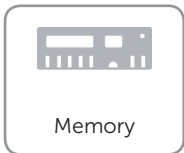
Horizontal 1223 dpi

Vertical 1573 dpi

### Dimensions:

Width 105 mm (4.13 in)

Height 65 mm (2.55 in)

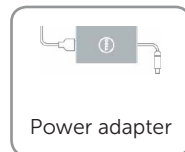
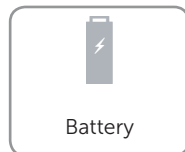
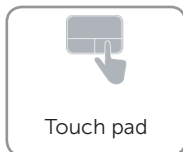
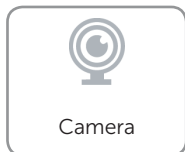
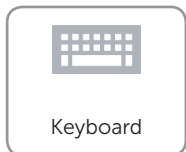
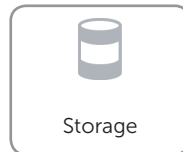
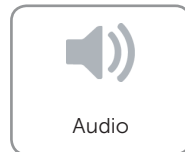
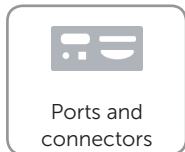
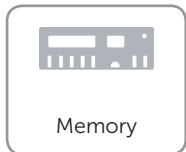
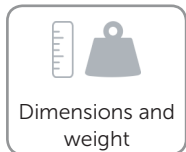




# Specifications

## Battery

Type	<ul style="list-style-type: none"><li>• 4 cell "smart" lithium ion (40 WHr)</li><li>• 4 cell "smart" lithium ion (47 WHr)</li></ul>
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

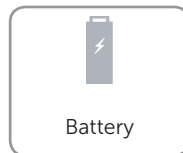
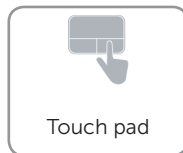
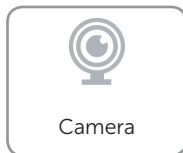
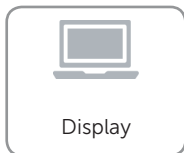
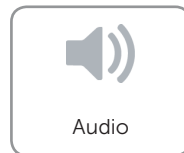
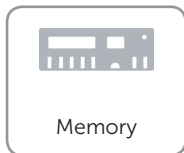
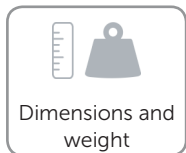




# Specifications

## Power adapter

Type	<ul style="list-style-type: none"><li>• 45 W</li><li>• 65 W</li></ul>
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)





# Specifications

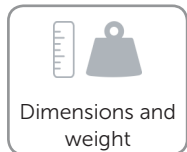
## Computer environment

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 (-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.

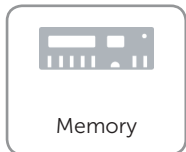
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



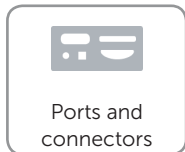
Dimensions and weight



System information



Memory



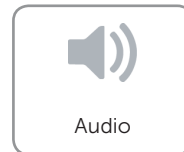
Ports and connectors



Communications



Video



Audio



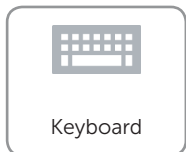
Storage



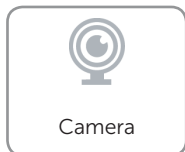
Media-card reader



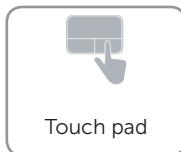
Display



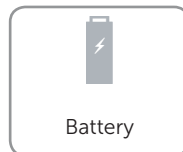
Keyboard



Camera



Touch pad



Battery



Power adapter



Computer environment