



# Inspiron 15

5000 Series



[Views](#)

[Specifications](#)

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2015 - 04 Rev. A00

Regulatory model: P51F | Type: P51F002

Computer model: Inspiron 15-5555

**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.

**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.



## 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 behaviour in Power Options. For more information, see *Me and My Dell* at [dell.com/support](http://dell.com/support).



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 24.05 mm (0.95 in)

Non-touch 23.75 mm (0.94 in)

Width 380 mm (14.96 in)

Depth 260.40 mm (10.25 in)

### Weight (maximum):

Touch 2.39 kg (5.27 lb)

Non-touch 2.24 kg (4.94 lb)

**NOTE:** The weight of your laptop 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



Keyboard



Camera



Touch pad



Battery



Power adapter



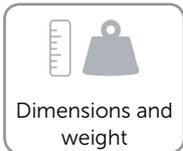
Computer environment



# Specifications

## System information

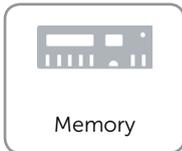
Computer model	Inspiron 15-5555
Processor	<ul style="list-style-type: none"><li>• AMD A10-8700P</li><li>• AMD A8-7410</li><li>• AMD A6-7310</li><li>• AMD A4-7210</li><li>• AMD E2-7110</li><li>• AMD E1-7010</li></ul>
Chipset	Integrated in processor



Dimensions and weight



System information



Memory



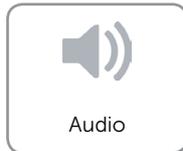
Ports and connectors



Communications



Video



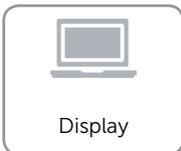
Audio



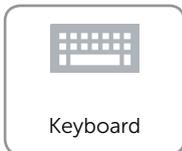
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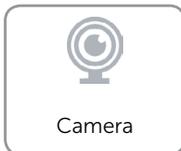
Media-card reader



Display



Keyboard



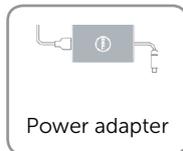
Camera



Touch pad



Battery



Power adapter



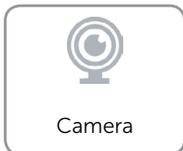
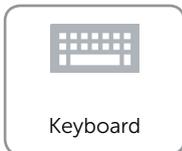
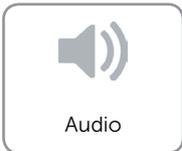
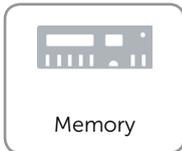
Computer environment



# Specifications

## Memory

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





# Specifications

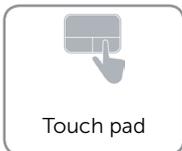
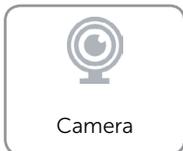
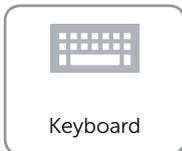
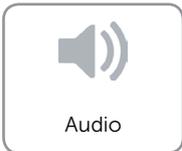
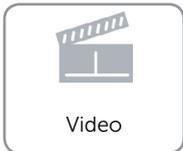
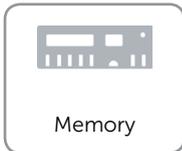
## Ports and connectors

### External:

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

### Internal:

NGFF slot	One NGFF slot for Wi-Fi and Bluetooth combo card
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# Specifications

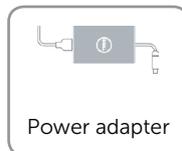
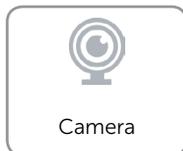
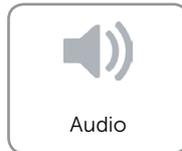
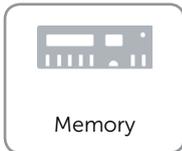
## Communications

Ethernet

10/100 Mbps Ethernet controller integrated on system board

Wireless

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





# Specifications

## Video

### Controller:

Integrated

Integrated in processor

Discrete

- AMD Radeon R5 M335
- AMD Radeon R6 M345DX (only on computers with AMD A10-8700P processor)

### Memory:

Integrated

Shared system memory

Discrete

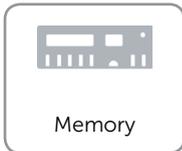
Up to 2 GB DDR3L



Dimensions and weight



System information



Memory



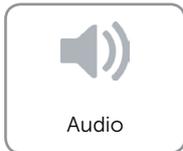
Ports and connectors



Communications



Video



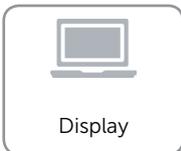
Audio



Storage



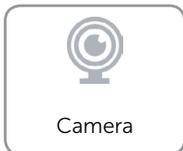
Media-card reader



Display



Keyboard



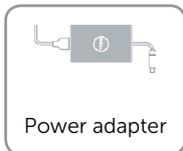
Camera



Touch pad



Battery



Power adapter



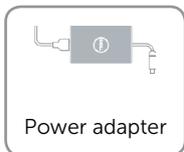
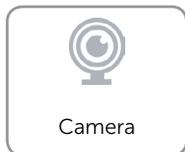
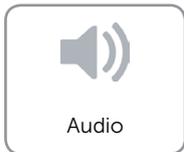
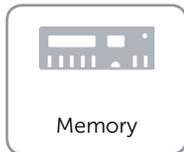
Computer environment



# 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

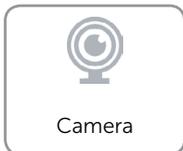
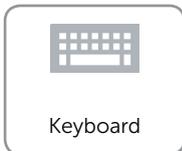
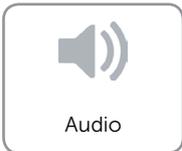
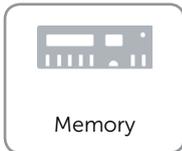
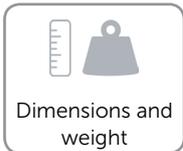




# Specifications

## Storage

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





# 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	<ul style="list-style-type: none"> <li>• 15.6-inch HD Touch</li> <li>• 15.6-inch HD Non-touch</li> <li>• 15.6-inch FHD Touch</li> </ul>		
Refresh rate	60 Hz		
Operating angle	0 degrees (closed) to 135 degrees		
Controls	Brightness can be controlled using shortcut keys.		
	<b>HD Touch</b>	<b>HD Non-touch</b>	<b>FHD Touch</b>
Resolution (maximum)	1366 x 768	1366 x 768	1920 x 1080
Pixel pitch	0.2265 mm	0.2265 mm	0.17925 mm
Dimensions:			
Height	225.06 mm (8.86 in)	224.3 mm (8.83 in)	225.06 mm (8.86 in)
Width	366.63 mm (14.43 in)	360 mm (14.17 in)	366.63 mm (14.43 in)
Diagonal	396.24 mm (15.60 in)	396.24 mm (15.60 in)	396.24 mm (15.60 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

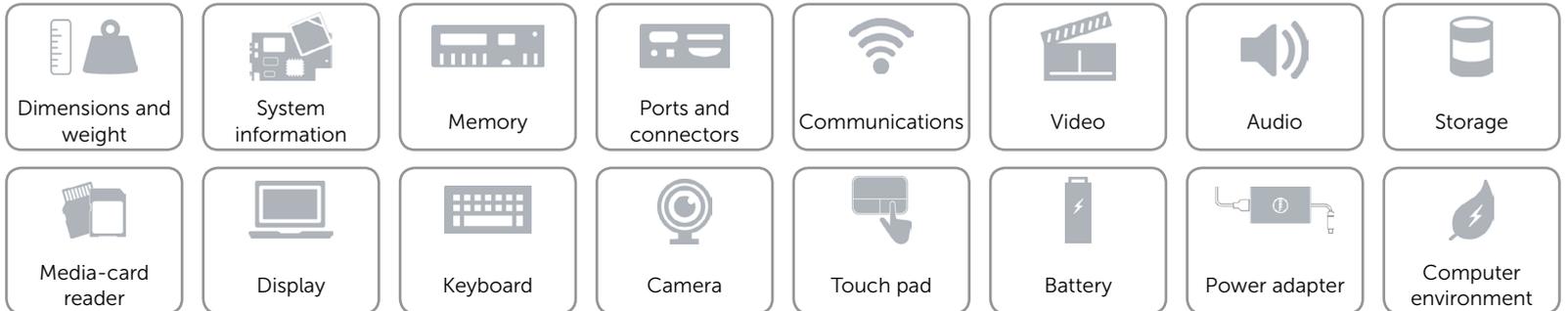


# Specifications

## Keyboard

Type	Backlit keyboard (optional)
Shortcut keys	<p>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.</p> <p><b>NOTE:</b> You can change the behavior of the shortcut keys by pressing Fn+Esc or by changing <b>Function Key Behavior</b> in BIOS setup program.</p>

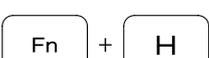
[List of shortcut keys.](#)





## Shortcut keys

	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight (optional)
	Decrease brightness
	Increase brightness

	Turn off/on wireless
	Sleep
	Toggle Fn-key lock
	Toggle between power and battery-status light/hard-drive activity light
	Open application menu
	Pause/Break
	System request
	Toggle scroll lock



# Specifications

## Camera

Resolution:

Still image 0.92 megapixel

Video 1280 x 720 (HD) at 30 fps (maximum)

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 1211 dpi

Vertical 1267 dpi

### Dimensions:

Width 105 mm (4.13 in)

Height 80 mm (3.15 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



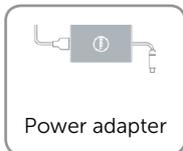
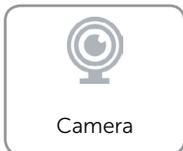
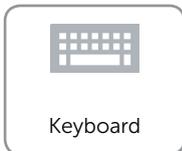
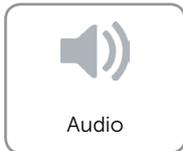
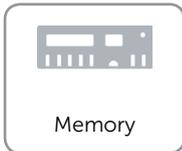
Computer environment



# Specifications

## 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	37.5 mm (1.48 in)
Height	20 mm (0.79 in)
Weight (maximum)	<ul style="list-style-type: none"><li>• 40 WHr—0.25 kg (0.55 lb)</li><li>• 47 WHr—0.26 kg (0.56 lb)</li></ul>
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

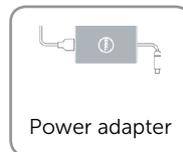
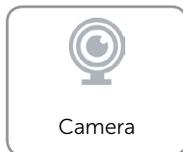
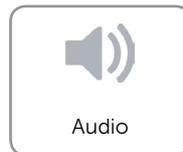
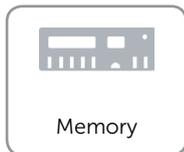




# Specifications

## 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	1.60 A/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.

