



# Inspiron 15

5000 Series



**Views**

**Specifications**

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2015-08 Rev. A00

Regulatory model: P39F | Type: P39F003

Computer model: Inspiron 15-5557

**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

Indicates the power and battery status of the computer.

- |              |  |
|--------------|--|
| Solid white  | Power adapter is connected and the battery has more than 5% charge.  |
| Solid yellow | 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> |

### 2 Hard-drive activity light

Turns on when the computer reads from or writes to the hard drive.



Front



Left



Right



Base



Display

## Left



### 1 Security-cable slot

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

### 2 Power-adaptor port

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

### 3 USB 2.0 port

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

### 4 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 3.0 ports (2)

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

### 3 HDMI port

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

### 4 Network port

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



Front



Left



Right

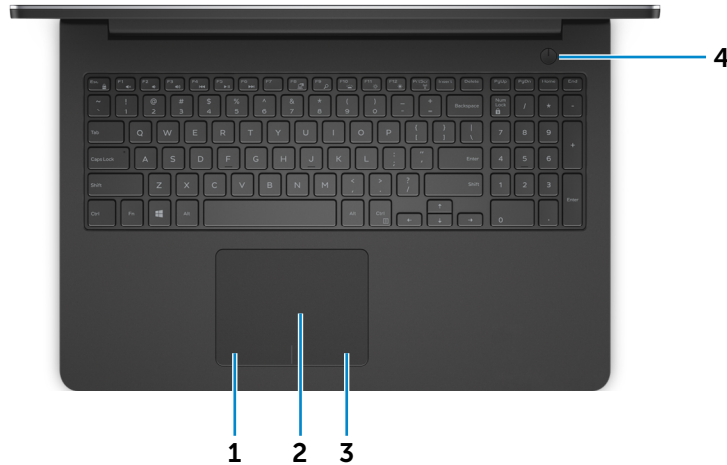


Base



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 or in sleep 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

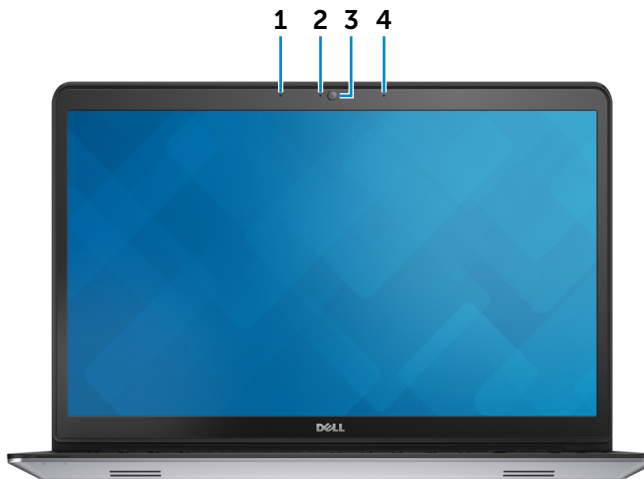


Base



Display

## Display



### 1 Left microphone

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

### 2 Camera-status light

Turns on when the camera is in use.

### 3 Camera

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

### 4 Right microphone

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



# Specifications

## Dimensions and weight

### Height:

Touch screen 22 mm (0.87 in)

Non-touch screen 21.80 mm (0.86 in)

Width 380.40 mm (14.98 in)

Depth 259 mm (10.20 in)

### Weight (maximum):

Touch screen 2.38 kg (5.25 lb)

Non-touch screen 2.18 kg (4.81 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 15-5557
Processor	<ul style="list-style-type: none"><li>• 6<sup>th</sup> Generation Intel Core i3 ULV</li><li>• 6<sup>th</sup> Generation Intel Core i5 ULV</li><li>• 6<sup>th</sup> Generation Intel Core i7 ULV</li></ul>
Chipset	Integrated in processor



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# Specifications

## Memory


Slot	Two SODIMM slots
Type	Dual-channel DDR3L
Speed	1600 MHz
Configurations supported	4 GB, 6 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	<ul style="list-style-type: none"><li>• One USB 2.0 port</li><li>• Two USB 3.0 ports</li></ul>
Audio/video	<ul style="list-style-type: none"><li>• One HDMI port</li><li>• One headset (headphone and microphone combo) port</li></ul>

### Internal:

M.2	One M.2 slot for Wi-Fi, Intel WiDi (optional), and Bluetooth combo card
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Dimensions and weight



System information



Memory



Ports and connectors



Communications



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Media-card reader



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Keyboard



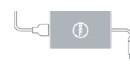
Camera



Touch pad



Battery



Power adapter



Computer environment



# 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
- Intel WiDi (optional)



Dimensions and  
weight



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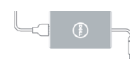
Camera



Touch pad



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Power adapter


















Computer  
environment



# Specifications

## Video

Controller:	
Integrated	Intel HD Graphics 520
Discrete	NVIDIA GeForce 930M
Memory:	
Integrated	Shared system memory
Discrete	<ul style="list-style-type: none"><li>• 2 GB DDR3</li><li>• 4 GB DDR3</li></ul>

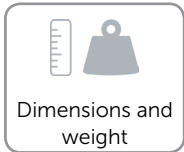
 Dimensions and weight	 System information	 Memory	 Ports and connectors	 Communications	 Video	 Audio	 Storage
 Media-card reader	 Display	 Keyboard	 Camera	 Touch pad	 Battery	 Power adapter	 Computer environment



# Specifications

## Audio

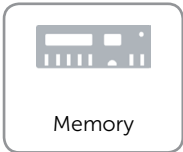
Controller	Realtek ALC3234CG with Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys



Dimensions and weight



System information



Memory



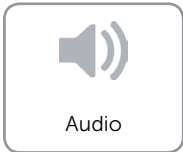
Ports and connectors



Communications



Video



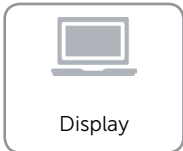
Audio



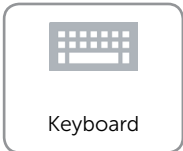
Storage



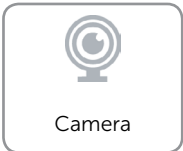
Media-card reader



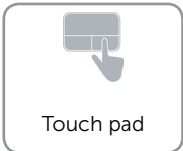
Display



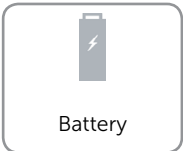
Keyboard



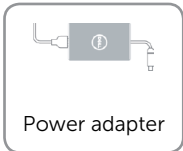
Camera



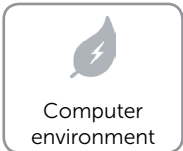
Touch pad



Battery



Power adapter




Computer environment



# Specifications

## Storage


Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive (supports Intel Smart Response Technology)



Dimensions and weight



System information



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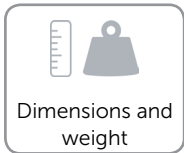
Computer environment



# Specifications

## Media-card reader

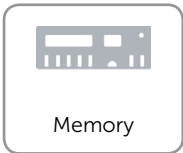
Type	One 5-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD</li><li>• SD 3.0</li><li>• SD High-Capacity (SDHC)</li><li>• Memory Stick</li><li>• Memory Stick PRO</li></ul>



Dimensions and  
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Memory



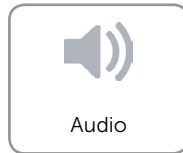
Ports and  
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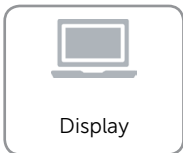
Audio



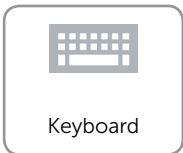
Storage



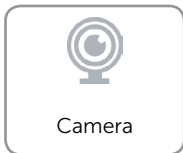
Media-card  
reader



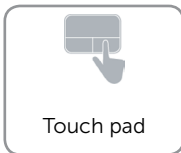
Display



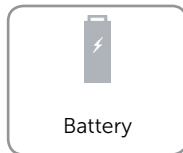
Keyboard



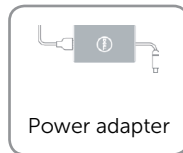
Camera



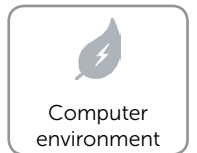
Touch pad



Battery



Power adapter



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# Specifications

## Display

Type	<ul style="list-style-type: none"><li>• 15.6-inch HD</li><li>• 15.6-inch FHD</li></ul>	
Refresh rate	60 Hz	
Operating angle	0 degree (closed) to 135 degrees	
Controls	Brightness can be controlled using shortcut keys	
	<b>HD</b>	<b>FHD</b>
Resolution (maximum)	1366 x 768	1920 x 1080
Pixel pitch	0.2265 mm	0.161 mm
Dimensions:		
Height	224.30 mm (8.83 in)	223.80 mm (8.81 in)
Width	360 mm (14.17 in)	359.50 mm (14.15 in)
Diagonal	396.24 mm (15.60 in)	396.24 mm (15.60 in)



Dimensions and weight



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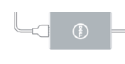
Camera



Touch pad



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# Specifications

## Keyboard

### Type

- Standard keyboard
- Backlit keyboard (optional)

### 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.](#)



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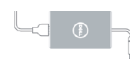
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## Shortcut keys

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 (optional)
F11		Decrease brightness
F12		Increase brightness


Fn	+	PrtScr	Turn off/on wireless
Fn	+	B	Pause/Break
Fn	+	Insert	Sleep
Fn	+	S	Toggle Scroll Lock
Fn	+	Esc	Toggle Fn-key lock




# Specifications

## Camera


Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps (maximum)
Diagonal viewing angle	73.90 degrees




Dimensions and weight




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# Specifications

## Touch pad

### Resolution:

Horizontal 1260

Vertical 1207

### Dimensions:

Width 105 mm (4.13 in)

Height 80 mm (3.15 in)



Dimensions and weight



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# Specifications

## Battery

Type	<ul style="list-style-type: none"><li>3-cell smart lithium ion (43.50 WHr)</li><li>4-cell smart lithium ion (58 WHr)</li></ul>	
	<b>3 cell</b>	<b>4 cell</b>
Dimensions:		
Width	208.25 mm (8.20 in)	208.25 mm (8.20 in)
Depth	124.70 mm (4.91 in)	124.70 mm (4.91 in)
Height	7.80 mm (0.31 in)	7.80 mm (0.31 in)
Weight (maximum)	0.28 kg (0.62 lb)	0.35 kg (0.77 lb)
Voltage	11.10 VDC	7.40 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	



Dimensions and weight



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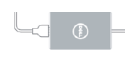
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# Specifications

## Power adapter

Type	65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	1.50 A
Output current	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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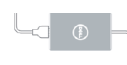
Camera



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# 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.



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