



# Inspiron 15

3000 Series



[Views](#)

[Specifications](#)

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2015 - 12 Rev. A00

Regulatory model: P47F | Type: P47F001

Computer model: Inspiron 15-3558

**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 battery-charge status or the hard-drive activity.

**NOTE:** Press Fn+H to toggle this light between battery-status light and hard-drive activity light.

#### Hard-drive activity light

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

#### Battery-status light

Indicates the battery status.

- |             |  |
|-------------|--|
| 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 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



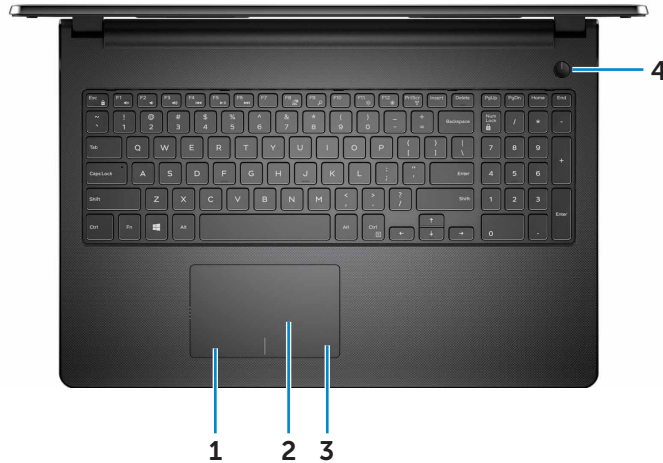
Right



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 or in Sleep state.

Press to put the computer in Sleep state if it is turned on.

Press and hold for 10 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).



## Display



Front



Left



Right



Base



Display



**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**

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



# Specifications

## Dimensions and weight

Height	23.65 mm (0.93 in)
Width	380 mm (14.96 in)
Depth	260.30 mm (10.25 in)
Weight (maximum)	2.22 kg (4.89 lb)

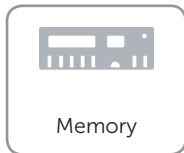
**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



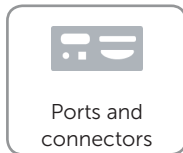
Dimensions and weight



System information



Memory



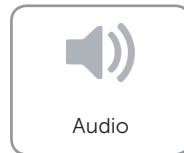
Ports and connectors



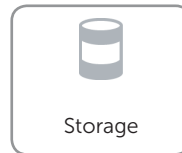
Communications



Video



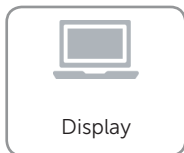
Audio



Storage



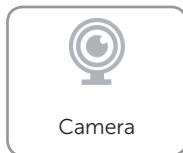
Media-card reader



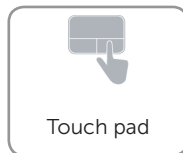
Display



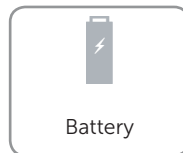
Keyboard



Camera



Touch pad



Battery



Power adapter



Computer environment



# Specifications

## System information

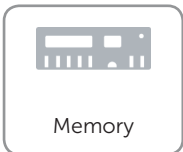
Computer model	Inspiron 15-3558
Processor	<ul style="list-style-type: none"><li>• Intel Celeron</li><li>• Intel Pentium</li><li>• 5<sup>th</sup> generation Intel Core i3</li><li>• 5<sup>th</sup> generation Intel Core i5</li></ul>
Chipset	Integrated in processor



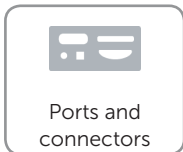
Dimensions and weight



System information



Memory



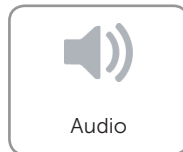
Ports and connectors



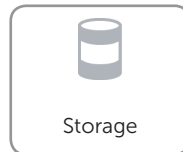
Communications



Video



Audio



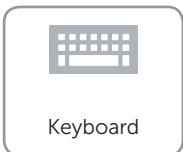
Storage



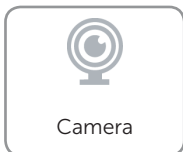
Media-card reader



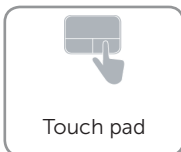
Display



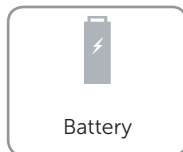
Keyboard



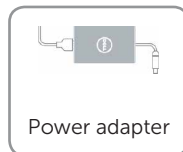
Camera



Touch pad



Battery



Power adapter



Computer environment

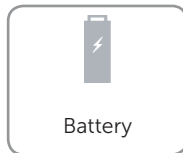
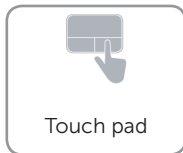
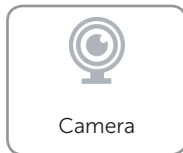
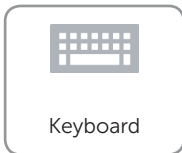
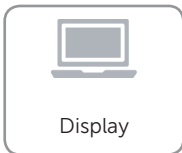
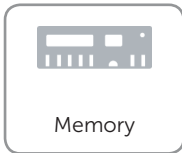
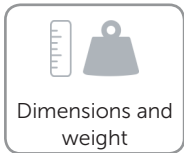




# Specifications

## Memory

Slot	Two SODIMM slots
Type	Dual-channel DDR3L
Speed	1600 MHz
Configurations supported	2 GB, 4 GB, 6 GB, and 8 GB





# Specifications

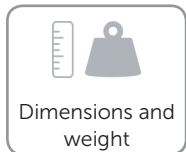
## Ports and connectors

### 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:

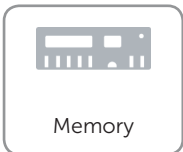
M.2	One M.2 slot for Wi-Fi and Bluetooth combo card
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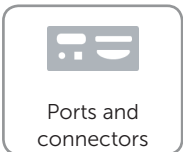
Dimensions and weight



System information



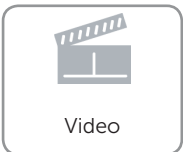
Memory



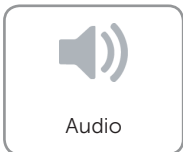
Ports and connectors



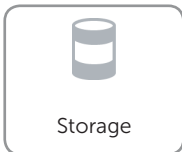
Communications



Video



Audio



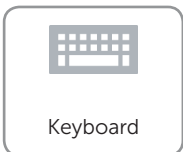
Storage



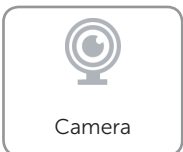
Media-card reader



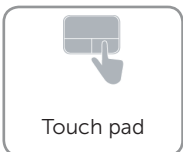
Display



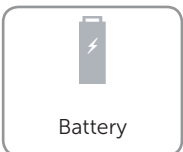
Keyboard



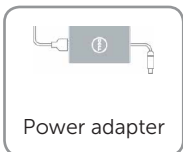
Camera



Touch pad



Battery



Power adapter



Computer environment



# Specifications

## Communications

Ethernet

10/100 Mbps Ethernet controller integrated on system board

Wireless

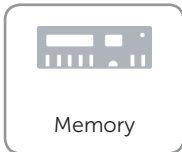
- Wi-Fi 802.11ac
- Wi-Fi 802.11b/g/n
- Bluetooth 4.0
- Intel WiDi



Dimensions and weight



System information



Memory



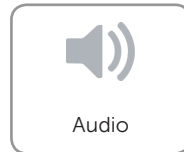
Ports and connectors



Communications



Video



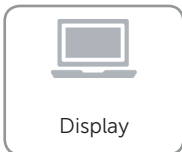
Audio



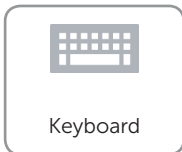
Storage



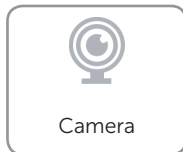
Media-card reader



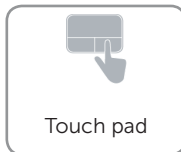
Display



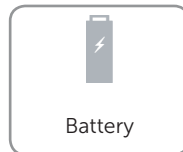
Keyboard



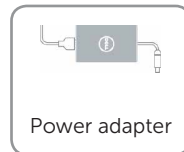
Camera



Touch pad



Battery



Power adapter



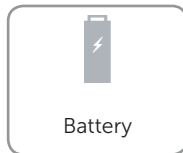
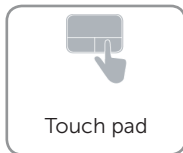
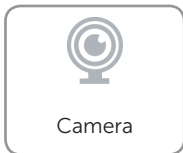
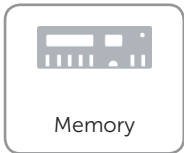
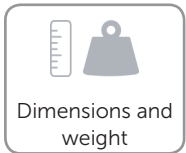
Computer environment



# Specifications

## Video

Controller:	Intel HD Graphics
Integrated	<ul style="list-style-type: none"><li>Intel HD Graphics</li><li>Intel HD Graphics 4400</li><li>Intel HD Graphics 5500</li></ul>
Discrete	NVIDIA GeForce 920M
Memory:	
Integrated	Shared system memory
Discrete	2 GB DDR3

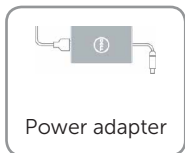
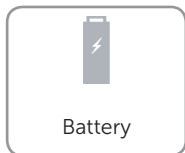
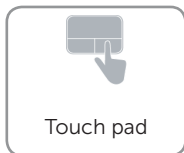
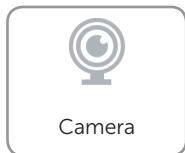
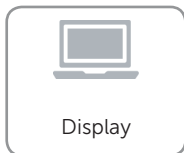
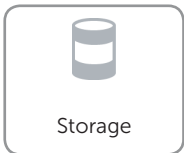
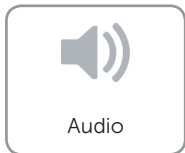




# Specifications

## Audio

Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Single digital microphone in the camera assembly
Volume controls	Media-control shortcut keys





# Specifications

## Storage

### Hard drive:

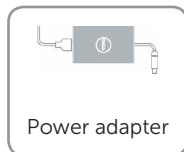
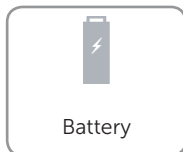
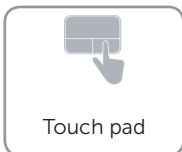
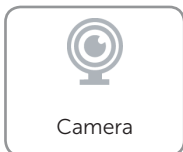
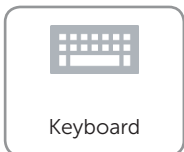
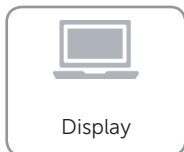
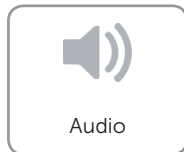
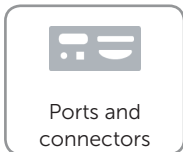
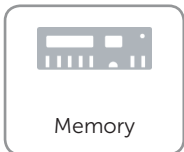
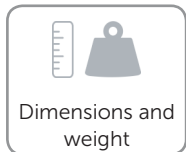
Type One 2.5-inch drive

Interface SATA 6 Gbps

### Optical drive:

Type One 9.5-mm DVD +/- RW drive

Interface SATA 1.5 Gbps






# Specifications

## Media-card reader

Type


One SD card slot



Dimensions and weight



System information



Memory




Ports and connectors




Communications



Video




Audio




Storage




Media-card reader




Display




Keyboard




Camera



Touch pad



Battery



Power adapter



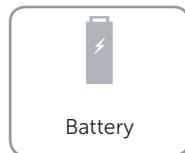
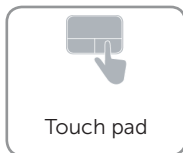
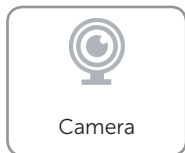
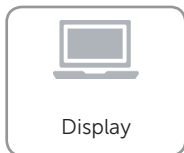
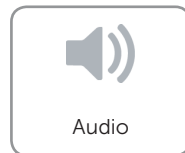
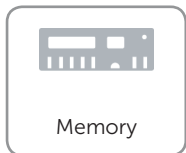
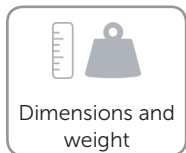
Computer environment



# Specifications

## Display

Type	<ul style="list-style-type: none"><li>• 15.6-inch with Truelife touch screen</li><li>• 15.6-inch with Truelife non-touch screen</li></ul>
Resolution (maximum)	1366 x 768
Dimensions:	
Height	225.06 mm (8.86 in)
Width	366.63 mm (14.43 in)
Diagonal	396.24 mm (15.60 in)
Pixel pitch	0.2520 mm
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 135 degrees
Viewing angle	160 degrees
Controls	Brightness can be controlled using shortcut keys.







# 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 System Setup.

[List of 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



## Shortcut keys

	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Decrease brightness
	Increase brightness

	+		Toggle Fn-key lock
	+		Turn off/on wireless
	+		Open application menu
	+		Sleep
	+		Pause/Break
	+		Toggle between battery-status light/ hard-drive activity light
	+		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	2040
Vertical	1240

### Dimensions:

Width	105 mm (4.13 in)
Height	65 mm (2.56 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



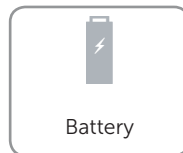
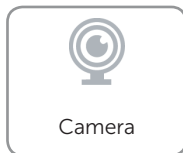
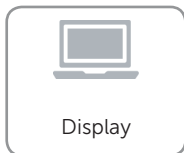
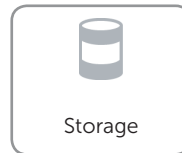
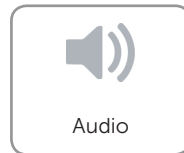
Computer environment



# Specifications

## Battery

Type	<ul style="list-style-type: none"><li>4-cell 40 WHr smart lithium</li><li>4-cell 47 WHr smart lithium</li></ul>
Dimensions:	
Width	270 mm (10.63 in)
Depth	37.50 mm (1.48 in)
Height	20 mm (0.79 in)
Weight (maximum):	
40 WHr	0.250 kg (0.551 lb)
47 WHr	0.255 kg (0.562 lb)
Voltage	14.80 VDC
Charging time (approximate)	4 hours (when the computer is off)
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	1.30 A/1.60 A/1.70 A
Output current	2.31 A/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)



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Keyboard



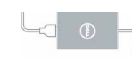
Camera



Touch pad



Battery



Power adapter



Computer environment



# Specifications

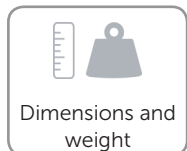
## Computer environment

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.

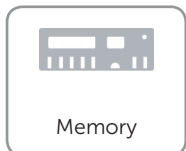
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



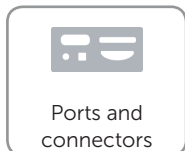
Dimensions and weight



System information



Memory



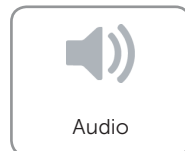
Ports and connectors



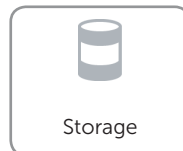
Communications



Video



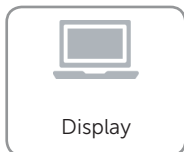
Audio



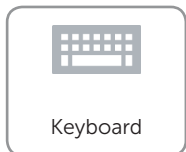
Storage



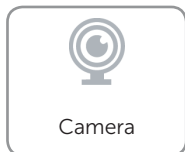
Media-card reader



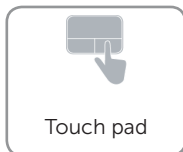
Display



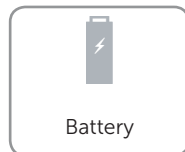
Keyboard



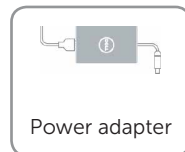
Camera



Touch pad



Battery



Power adapter



Computer environment