



Inspiron 15

5000 Series



[Views](#)

[Specifications](#)

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2015 - 03 Rev. A00

Regulatory model: P51F | Type: P51F001/P51F003

Computer model: Inspiron 15-5558/Inspiron 15-5551

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



Front



Left



Right



Base



Display

Front



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

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

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



Front



Left



Right



Base



Display

Left



1 Power-adapter port

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

2 Network port (Inspiron 15-5558 only)

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

3 HDMI port

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

4 USB 3.0 port

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

5 Media-card reader

Reads from and writes to media cards.



Front



Left



Right



Base



Display

Right



1 Headset port

Connect a headphone, a microphone, or a 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



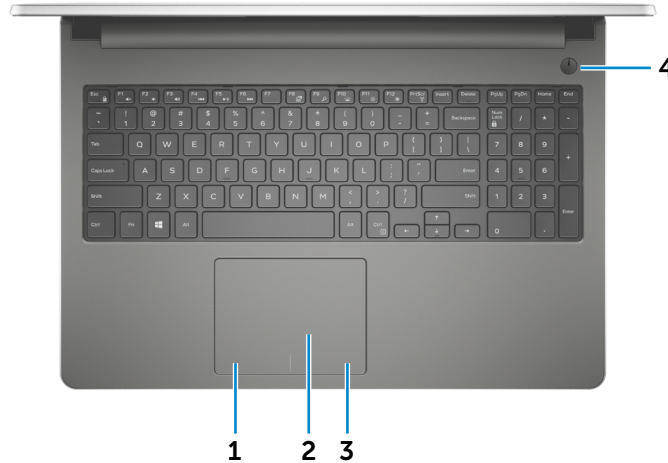
Right



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.



Front



Left



Right



Base



Display

Display



1 Left microphone (Inspiron 15-5558 only)

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



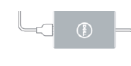
Camera



Touch pad



Battery



Power adapter



Computer environment



Specifications

System information


Computer model	Inspiron 15-5558	Inspiron 15-5551
Processor	<ul style="list-style-type: none">• Intel Celeron Dual Core Processor• Intel Pentium Quad Core Processor• 4th generation Intel Core i3 Processor• 5th generation Intel Core i3/i5/i7 Processor	<ul style="list-style-type: none">• Intel Celeron Dual Core Processor• Intel Pentium Quad Core Processor
Chipset	Integrated in processor	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



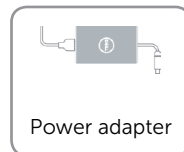
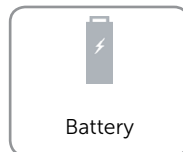
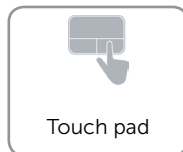
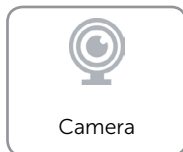
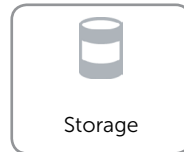
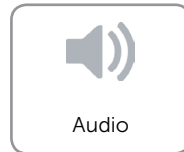
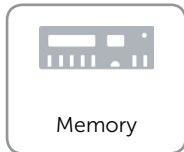
Computer environment



Specifications

Memory

	Inspiron 15-5558	Inspiron 15-5551
Slots	Two SODIMM slots	One SODIMM slot
Type	Dual-channel DDR3L	Single-channel DDR3L
Speed	1600 MHz	1600 MHz
Configurations supported	2 GB, 4 GB, 6 GB, 8 GB, 12 GB, and 16 GB	2 GB, 4 GB, and 8 GB





Specifications

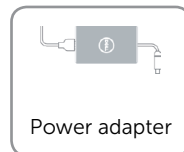
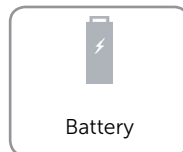
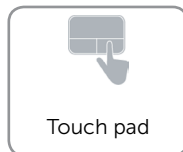
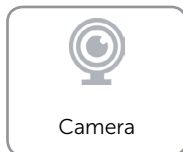
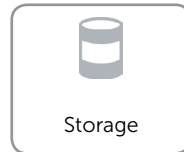
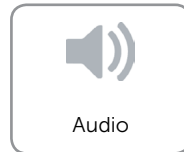
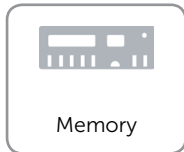
Ports and connectors

External:

- | | |
|-------------|---|
| Network | One RJ45 port (Inspiron 15-5558 only) |
| USB | <ul style="list-style-type: none">• One USB 3.0 port• Two USB 2.0 ports |
| Audio/video | <ul style="list-style-type: none">• One HDMI port• One headphone and microphone combo (headset) port |

Internal:

- | | |
|-----------|--|
| NGFF slot | One NGFF slot for Wi-Fi and Bluetooth combo card |
|-----------|--|





Specifications

Communications

Ethernet

10/100 Mbps Ethernet controller integrated on system board

Wireless

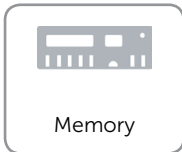
- Wi-Fi 802.11ac
- Wi-Fi 802.11b/g/n
- Bluetooth 4.0
- Intel WiDi (Windows only)



Dimensions and weight



System information



Memory



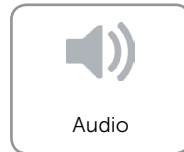
Ports and connectors



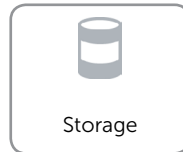
Communications



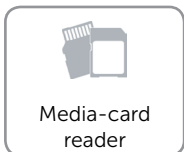
Video



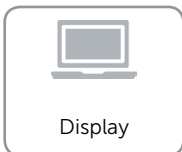
Audio



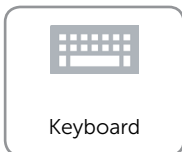
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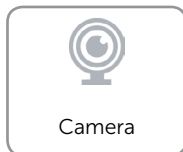
Media-card reader



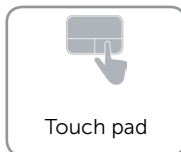
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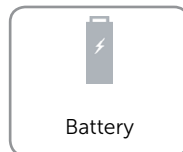
Keyboard



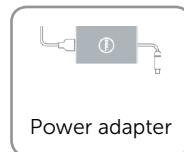
Camera



Touch pad



Battery



Power adapter



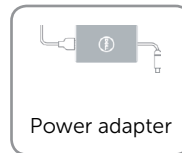
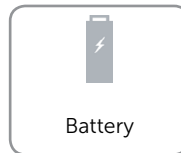
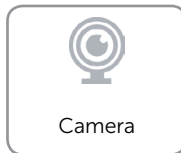
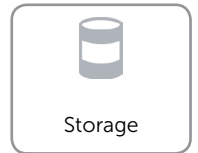
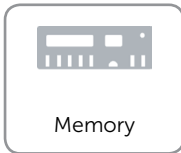
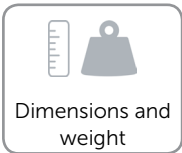
Computer environment



Specifications

Video

	Inspiron 15-5558	Inspiron 15-5551
Controller:		
Integrated	<ul style="list-style-type: none">Intel HD GraphicsIntel HD Graphics 4400Intel HD Graphics 5500	Intel HD Graphics
Discrete	NVIDIA GeForce 920M	N/A
Memory:		
Integrated	Shared system memory	Shared system memory
Discrete	Up to 4 GB DDR3L	N/A

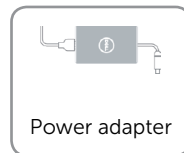
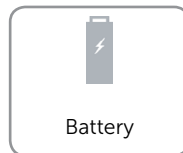
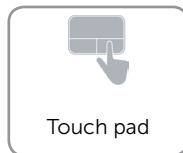
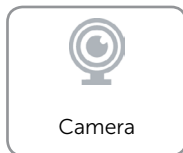
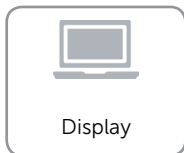
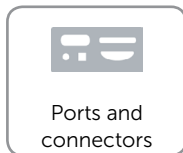
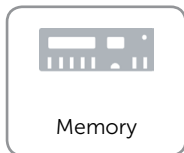
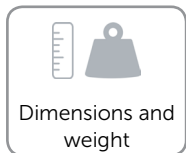




Specifications

Audio

Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.2 W
Microphone	<ul style="list-style-type: none">• Single microphone (Inspiron 15-5551 only)• Digital array-microphones (Inspiron 15-5558 only)
Volume controls	Media-control shortcut keys

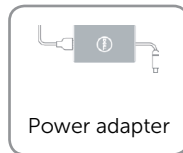
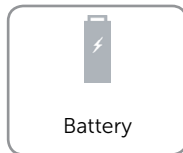
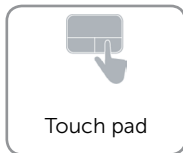
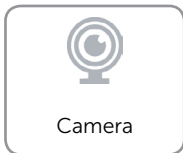
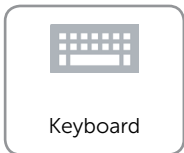
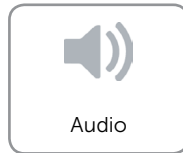
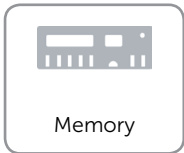
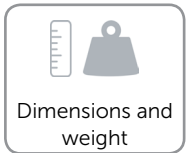




Specifications

Storage

Interface	<ul style="list-style-type: none">• SATA 3 Gbps (Inspiron 15-5551 only)• SATA 6 Gbps (Inspiron 15-5558 only)
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



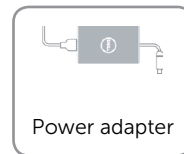
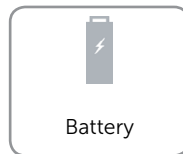
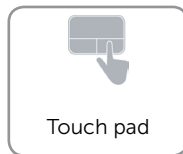
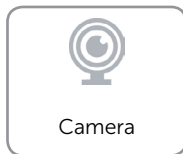
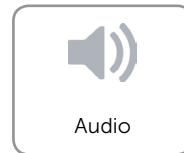
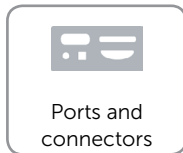
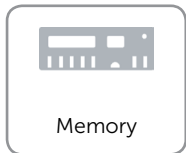
Computer environment



Specifications

Display

Type	<ul style="list-style-type: none"> 15.6-inch HD Touch 15.6-inch HD Non-touch 15.6-inch FHD Non-touch (Inspiron 15-5558 only) 15.6-inch FHD Touch (Inspiron 15-5558 only) 			
Refresh rate	60 Hz			
Operating angle	0 degrees (closed) to 135 degrees			
Controls	Brightness can be controlled using shortcut keys.			
	HD Touch	HD Non-touch	FHD Non-touch	FHD Touch
Resolution (maximum)	1366 x 768	1366 x 768	1920 x 1080	1920 x 1080
Pixel pitch	0.2265 mm	0.2265 mm	0.161 mm	0.17925 mm
Dimensions:				
Height	225.06 mm (8.86 in)	224.3 mm (8.83 in)	223.8 mm (8.81 in)	225.06 mm (8.86 in)
Width	366.63 mm (14.43 in)	360 mm (14.17 in)	359.5 mm (14.15 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)	396.24 mm (15.60 in)





Specifications

Keyboard

Type

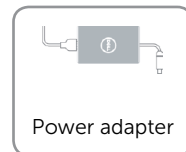
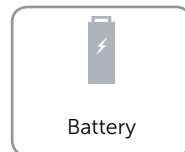
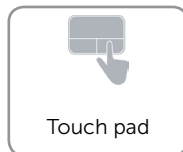
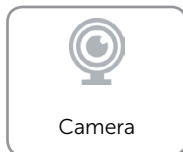
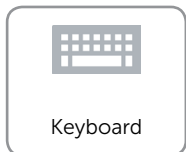
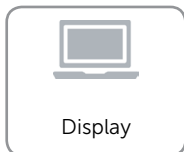
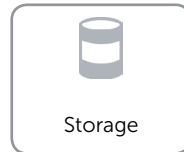
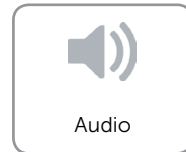
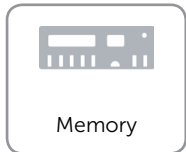
- Standard keyboard
- Backlit keyboard (optional)

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.

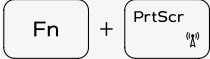
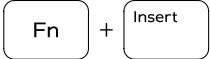
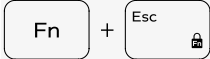
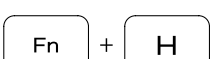




[List of shortcut keys.](#)





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

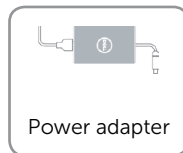
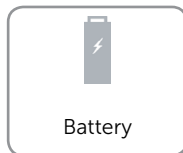
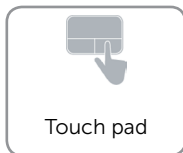
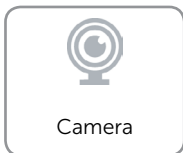
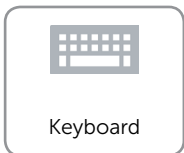
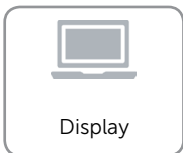
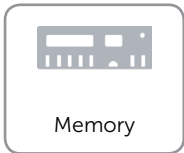
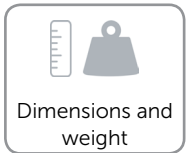
Camera

Resolution:

Still image 0.92 megapixel

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

Diagonal viewing angle 74 degrees





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



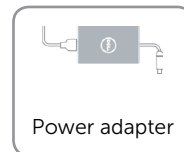
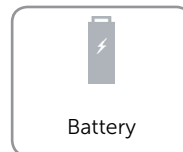
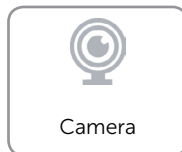
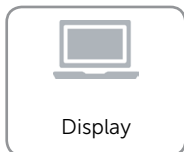
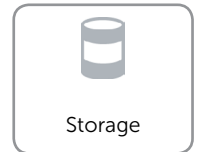
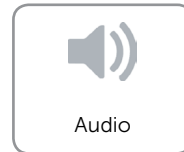
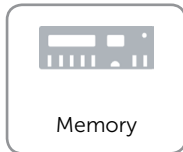
Computer environment



Specifications

Battery

Type	<ul style="list-style-type: none">• 4 cell "smart" lithium ion (40 WHr)• 4 cell "smart" lithium ion (47 WHr)
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">• 40 WHr—0.25 kg (0.55 lb)• 47 WHr—0.26 kg (0.56 lb)
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

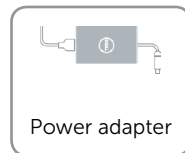
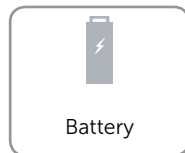
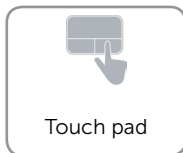
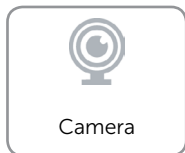
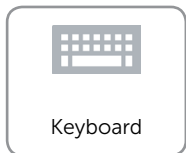
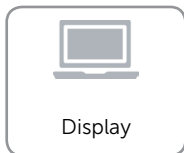
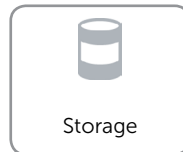
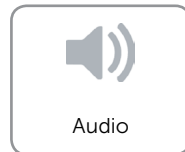
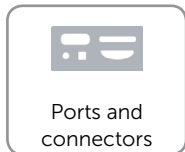
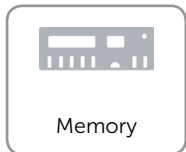




Specifications

Power adapter

Type	<ul style="list-style-type: none">• 45 W• 65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum):	
45 W	1.30 A
65 W	1.60 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	
	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G†	160 G‡
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse when the hard drive is in use.

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

