



Inspiron 15

5000 Series



Views

Specifications

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2016-03 Rev. A01

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">• 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. |

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 adaptor 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.



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)

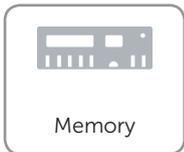
NOTE: The weight of your laptop varies depending on the configuration ordered and manufacturing variability.



Dimensions and weight



System information



Memory



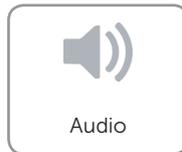
Ports and connectors



Communications



Video



Audio



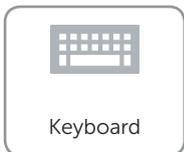
Storage



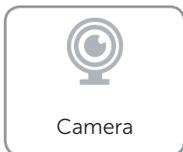
Media-card reader



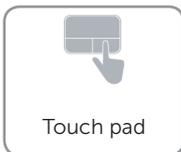
Display



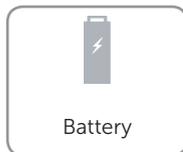
Keyboard



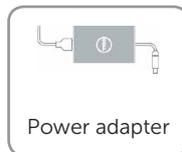
Camera



Touch pad



Battery



Power adapter



Computer environment



Specifications

System information

Computer model	Inspiron 15-5557
Processor	<ul style="list-style-type: none">• 6th generation Intel Core i3 ULV• 6th generation Intel Core i5 ULV• 6th generation Intel Core i7 ULV
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



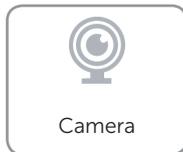
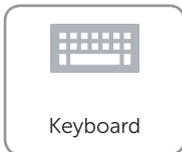
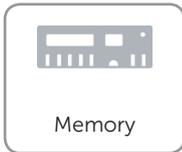
Computer environment



Specifications

Memory

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





Specifications

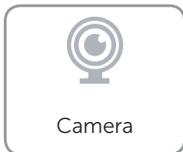
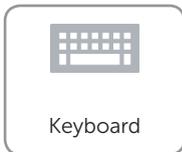
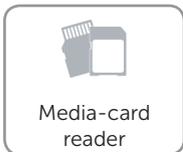
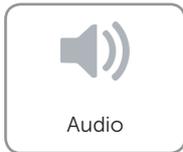
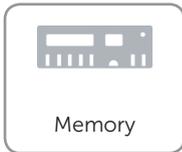
Ports and connectors

External:

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

Internal:

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





Specifications

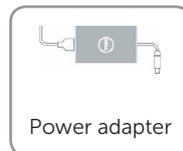
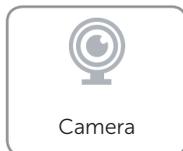
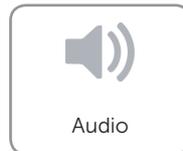
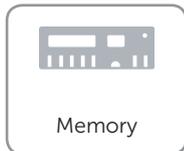
Communications

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 (optional)





Specifications

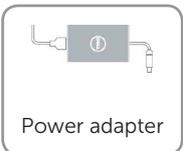
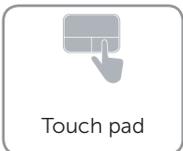
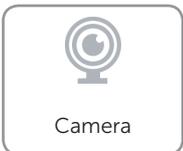
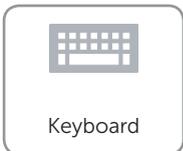
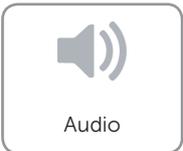
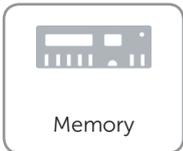
Video

Controller:

Integrated	Intel HD Graphics 520
Discrete	NVIDIA GeForce 930M

Memory:

Integrated	Shared system memory
Discrete	<ul style="list-style-type: none">• 2 GB DDR3• 4 GB DDR3

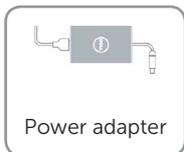
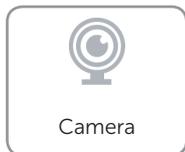
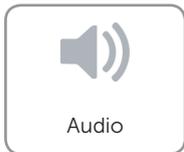
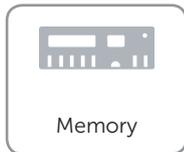




Specifications

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





Specifications

Storage

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



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

Media-card reader

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



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Keyboard



Camera



Touch pad



Battery



Power adapter



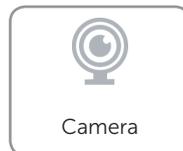
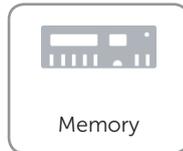
Computer environment



Specifications

Display

Type	<ul style="list-style-type: none"> • 15.6-inch HD • 15.6-inch FHD 	
Refresh rate	60 Hz	
Operating angle	0 degree (closed) to 135 degrees	
Controls	Brightness can be controlled using shortcut keys	
	HD	FHD
Resolution (maximum)	1366 x 768	1920 x 1080
Pixel pitch	0.252 mm	0.179 mm
Dimensions:		
Height	224.30 mm (8.83 in)	224.30 mm (8.83 in)
Width	360 mm (14.17 in)	360 mm (14.17 in)
Diagonal	396.24 mm (15.60 in)	396.24 mm (15.60 in)





Specifications

Keyboard

Type

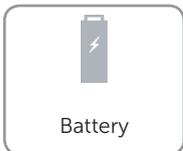
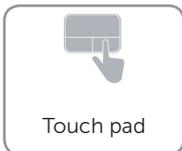
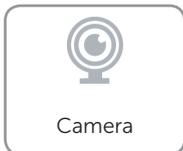
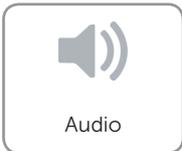
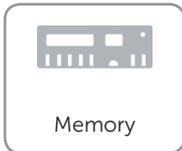
- Standard keyboard
- Backlit keyboard (optional)

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

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 + 	Turn off/on wireless
Fn + 	Pause/Break
Fn + 	Sleep
Fn + 	Toggle Scroll Lock
Fn + 	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



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 1260

Vertical 1207

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



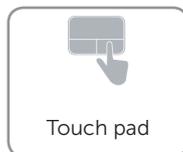
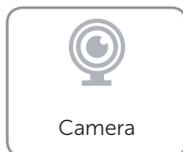
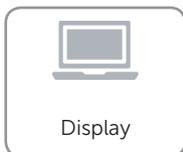
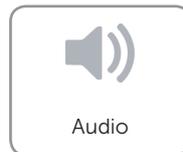
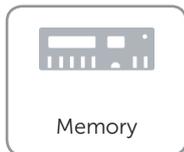
Computer environment



Specifications

Battery

Type	<ul style="list-style-type: none"> 3-cell smart lithium ion (43.50 WHr) 4-cell smart lithium ion (58 WHr) 	
	3-cell	4-cell
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	

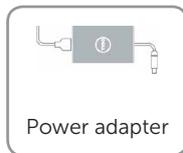
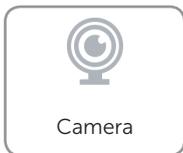
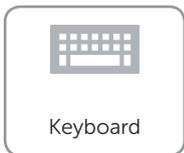
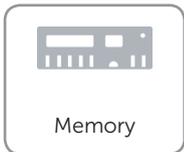




Specifications

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)





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.

