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2015 - 06 Rev. A00 Regulatory model: P51F | Type: P51F004 Computer model: Inspiron 15-5559







Base



Display

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.

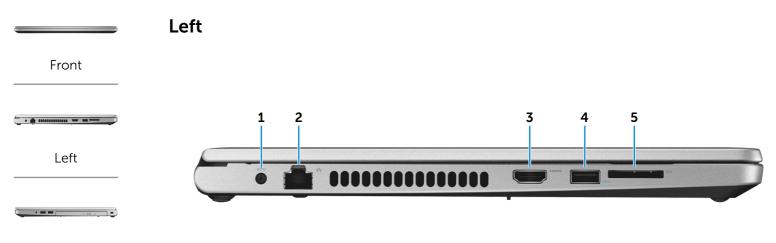
Amber Computer is running on battery and the battery has less than 5% charge.

 Power adapter is connected and the battery is fully charged.

Off

- Computer is running on battery and the battery has more than 5% charge.
- Computer is in sleep state, hibernation, or turned off.





Right



Base



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.

Display



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



Right

Front

Left





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



Left microphone

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

2 Camera

1

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.

Display



Dimensions and weight

Height	23.75 mm (0.94 in)
Width	380 mm (14.96 in)
Depth	260.40 mm (10.25 in)
Weight (minimum)	2.30 kg (5.07 lb)
	NOTE : The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



System information

Computer model	Inspiron 15-5559
Processor	 6th generation Intel Core i3/i5/i7 Processor Intel Pentium Processor Intel Celeron Processor
Chipset	Integrated in processor





Memory

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



Ports and connectors

External:	
Network	One RJ45 port
USB	One USB 3.0 portTwo USB 2.0 ports
Audio/video	One HDMI portOne headphone and microphone combo (headset) port
Internal:	
NGFF slot	One NGFF slot for Wi-Fi and Bluetooth combo card



Communications

Ethernet

Wireless

10/100 Mbps Ethernet controller integrated on system board

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





Video

Controller:		
Integrated	Intel HD Graphics 520	
	Intel HD Graphics 510	
Discrete	AMD Radeon R5 M335	
Memory:		
Integrated	Shared system memory	
Discrete	Up to 4 GB DDR3L	





Audio

Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.2 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys





Storage

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





Media-card reader

Туре

Cards supported

One SD card slot

SD card





Display

Туре			 15.6-inch HD To 15.6-inch HD Nc 15.6-inch FHD N 15.6-inch FHD To 	on-touch on-touch			
Refresh rate			60 Hz				
Operating angle	:		0 degrees (closed)	to 135 degrees			
Controls			Brightness can be o	controlled using sh	nortcut keys.		
			HD Touch	HD Non-touch	FHD Non-	touch FHI) Touch
Resolution (max	imum)		1366 x 768	1366 x 768	1920 x 108	0 192	0 x 1080
Pixel pitch			0.252 mm	0.252 mm	0.179 mm	0.17	'9 mm
Dimensions:							
Height			225.06 mm (8.86 in)	224.30 mm (8.83 in)	223.80 mm (8.81 in)	223	.06 mm 6 in)
Width			366.63 mm (14.43 in)	360 mm (14.17 in)	359.50 mm (14.15 in)	500	.63 mm 43 in)
Diagonal			396.24 mm (15.60 in)	396.24 mm (15.60 in)	396.24 mm (15.60 in)		.24 mm 60 in)
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
				R			
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment



Keyboard

Туре	Standard keyboardBacklit 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.



Keyboard

Shortcut keys

F1 ▲×	Mute audio	Fn + PrtScr	Turn off/on wireless
F2 ◀)	Decrease volume	Fn + Insert	Sleep
F3 ◄ ₩)	Increase volume	Fn + Esc	Toggle Fn-key lock
F4	Play previous track/chapter	Fn + H	Toggle between power and battery-status light/hard-drive activity light
(F5 ▶II	Play/Pause	Fn + Ctrl	Open application menu
F6 ►►	Play next track/chapter	Fn + B	Pause/Break
F8	Switch to external display	Fn + R	System request
F9 p	Search	Fn + S	Toggle scroll lock
F10	Toggle keyboard backlight (optional)		
F11 	Decrease brightness		
F12	Increase brightness		



Camera

Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps (maximum)
Diagonal viewing angle	74 degrees





Touch pad

Resolution:	
Horizontal	1211 dpi
Vertical	1267 dpi
Dimensions:	
Width	105 mm (4.13 in)
Height	80 mm (3.15 in)





Battery

Туре	 4 cell "smart" lithium ion (40 WHr) 4 cell "smart" lithium ion (47 WHr)
Dimensions:	
Width	270 mm (10.63 in)
Depth	37.50 mm (1.48 in)
Height	20 mm (0.79 in)
Weight (maximum)	 40 WHr-0.25 kg (0.55 lb) 47 WHr-0.26 kg (0.57 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
Dimensions and System Memory Memory	ry Ports and connectors Communications Video Audio Storage
Media-card reader Display Keyboa	ard Camera Touch pad Battery Power adapter Computer environment



Power adapter

Туре	 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)



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.

