Inspiron 15

5000 Series

Views

Specifications

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2015 - 05 Rev. A00

Regulatory model: P51F | Type: P51F005

Computer model: Inspiron 15-5552

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

Views

Front

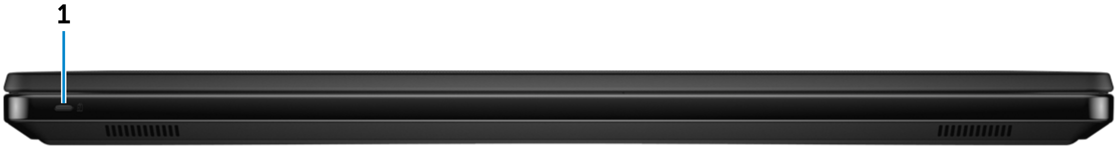
Left

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	• 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.

Views

Front

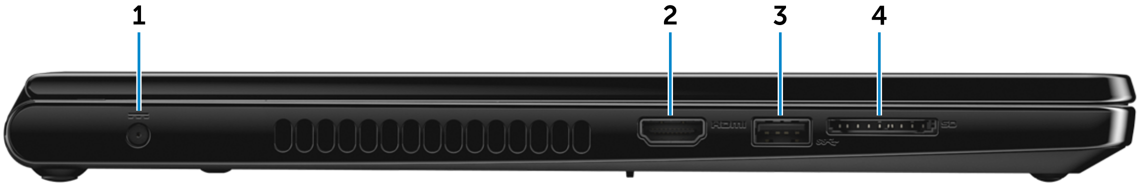
Left

Right

Base

Display

Left



1 **Power-adapter port**

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

2 **HDMI port**

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

3 **USB 3.0 port**

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

4 **Media-card reader**

Reads from and writes to media cards.

Views

Front

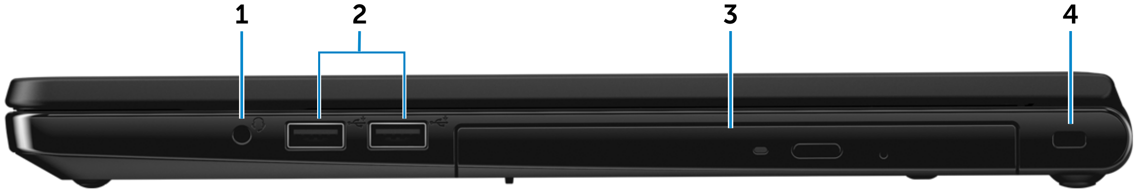
Left

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.

Views

Front

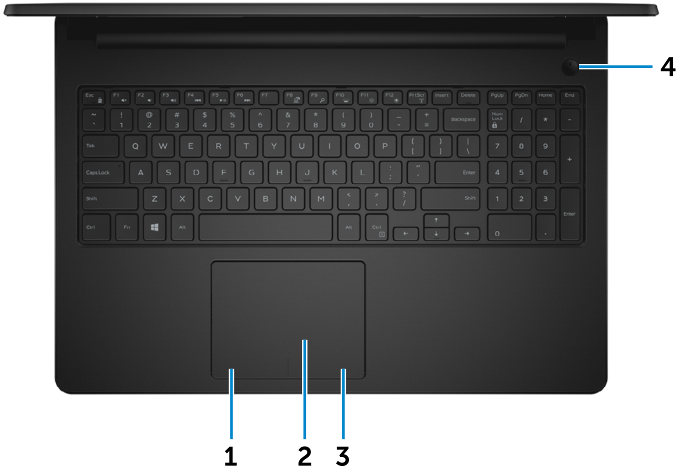
Left

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, in sleep state, or in hibernate state.

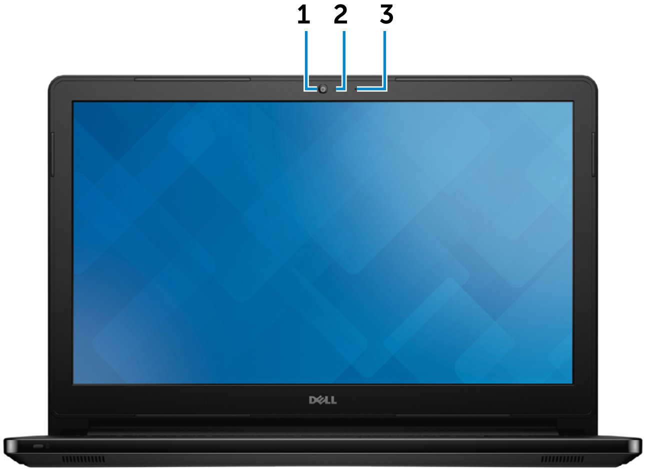
Press to put the computer in Sleep state if it is turned on.

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**.

Views

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.

Front

Left

Right

Base

Display

Specifications

Dimensions and weight

Height	23.75 mm (0.94 in)
Width	380 mm (14.96 in)
Depth	260.40 mm (10.25 in)
Weight	2.24 kg (4.94 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

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Ports and connectors
Communications
Video
Audio
Storage
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Touch pad
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Power adapter
Computer environment

Specifications

System information

Computer model	Inspiron 15-5552
Processor	• Intel Celeron Processor • Intel Pentium Processor
Chipset	Integrated in processor

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Specifications

Memory

Slot	One SODIMM slot
Type	Single-channel DDR3L
Speed	1600 MHz
Configurations supported	2 GB, 4 GB, and 8 GB

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Specifications

Ports and connectors

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

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Communications

Wireless	• Wi-Fi 802.11ac • Wi-Fi 802.11b/g/n • Bluetooth 4.0 • Intel WiDi (optional)

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Specifications

Video

Integrated:	
Controller	Intel HD Graphics
Memory	Shared system memory

Specifications

Audio

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

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Storage

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

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Media-card reader

Type	One SD card slot
Cards supported	SD card

Specifications

Display

Type	• 15.6-inch HD Touch (on-cell) • 15.6-inch HD Non-touch	
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**
Resolution (maximum)	1366 x 768	1366 x 768
Pixel pitch	0.2265 mm	0.2265 mm
Dimensions:		
Height	225.06 mm (8.86 in)	224.3 mm (8.83 in)
Width	366.63 mm (14.43 in)	360 mm (14.17 in)
Diagonal	396.24 mm (15.60 in)	396.24 mm (15.60 in)

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Keyboard

Type	Standard 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 BIOS setup program. List of shortcut keys.

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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
F11	Decrease brightness
F12	Increase brightness

Fn + PrtScr	Turn off/on wireless
Fn + Insert	Sleep
Fn + Esc	Toggle Fn-key lock
Fn + H	Toggle between power and battery-status light/hard-drive activity light
Fn + Ctrl	Open application menu
Fn + B	Pause/Break
Fn + R	System request
Fn + S	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

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Touch pad

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

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Battery

Type	• 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)	• 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

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Power adapter

Type	• 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)

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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.