Inspiron 15

3000 Series

Views

Specifications

☑**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

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

Indicates the 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.
Solid yellow	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 battery has more than 5% charge. • Computer is in sleep state, hibernation, or turned off.

Views

Left

Front

Left

Right

Base

Display

1   2   3   4   5

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 Security-cable slot

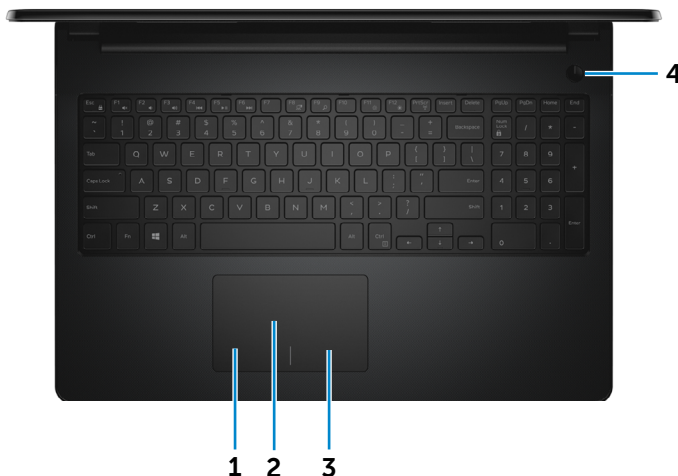Connect a security cable to prevent unauthorized movement of your computer.

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 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 **Dell.com/support/manuals**.

Views

Front

Left

Right

Base

Display

Display

1   2 3

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	21.70 mm (0.85 in)
Width	380 mm (14.96 in)
Depth	260.30 mm (10.25 in)
Weight (maximum)	2.20 kg (4.85 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
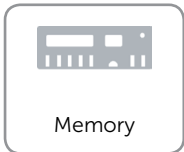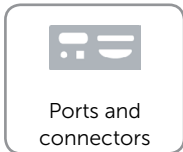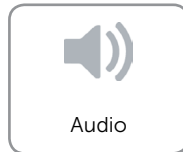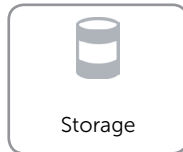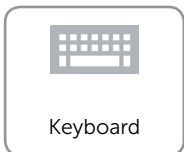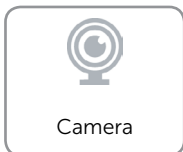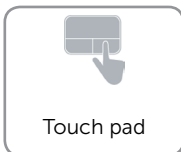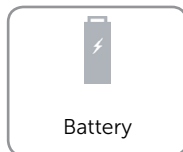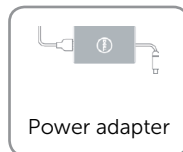
Media-card reader | Display | Keyboard | Camera | Touch pad | Battery | Power adapter | Computer environment

Specifications

System information

Computer model	Inspiron 15-3559
Processor	• Intel Celeron Processor • Intel Pentium Processor • 6th Generation Intel Core i3 Processor • 6th Generation Intel Core i5 Processor
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

Memory

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

Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage

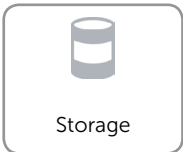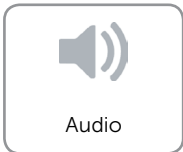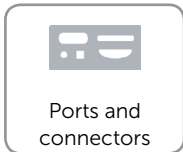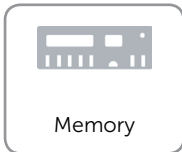| Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
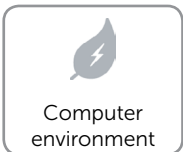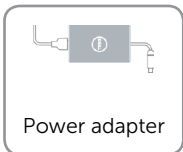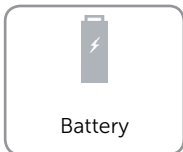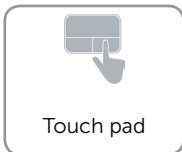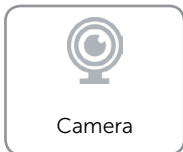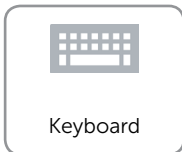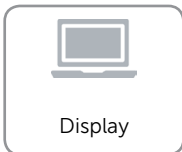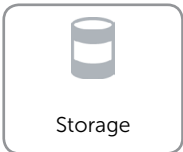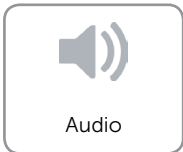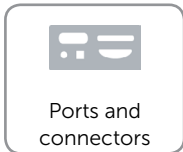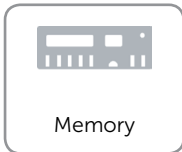
Ports and connectors

External:	
Network	One RJ45 port
USB	• Two USB 2.0 ports • One USB 3.0 port
Audio/video	• One HDMI port • One headset (headphone and microphone combo) port
Internal:	
NGFF slot	One NGFF slot for Wi-Fi, Bluetooth, and Intel WiDi (optional)

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
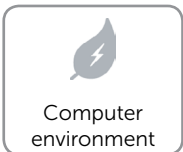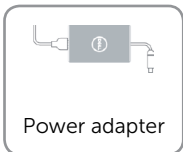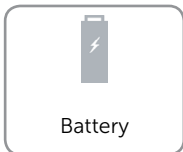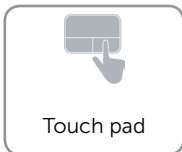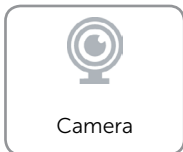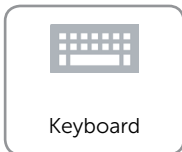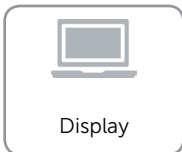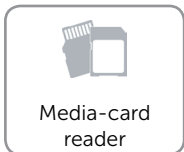
Specifications

Communications

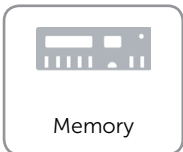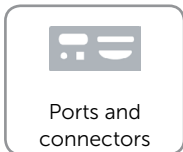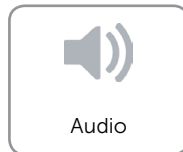| Wireless	• Wi-Fi 802.11ac
	• Wi-Fi 802.11b/g/n
	• Bluetooth 4.0
	• Intel WiDi (optional)
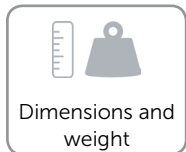
Dimensions and weight

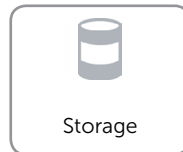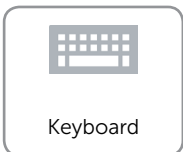System information

Memory

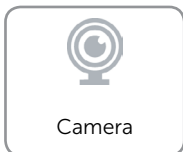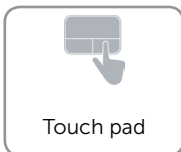Ports and connectors

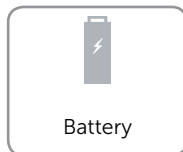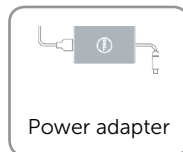Communications

Video

Audio

Storage

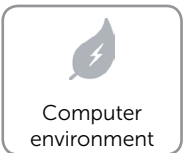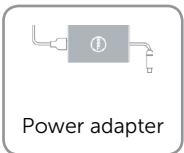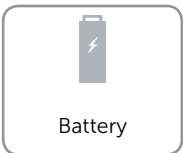Media-card reader

Display

Keyboard

Camera

Touch pad

Battery

Power adapter

Computer environment

Video

Controller:	
Integrated	• Intel HD Graphics 510
	• Intel HD Graphics 520
Discrete	AMD Radeon R5 M315
Memory:	
Integrated	Shared system memory
Discrete	• 1 GB DDR3
	• 2 GB DDR3

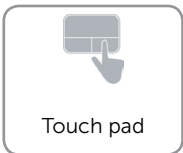|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
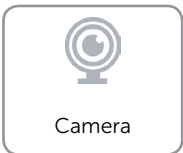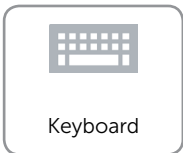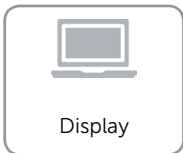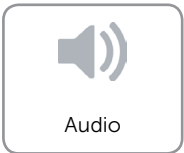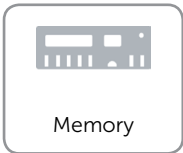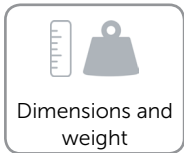
Audio

Controller	Realtek ALC3234 with Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	2.0 W
Peak	2.5 W
Microphone	Single digital microphone in the camera assembly
Volume controls	Media-control shortcut keys

Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
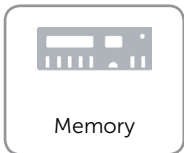
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

Storage

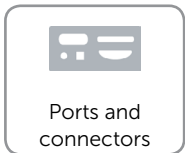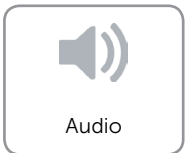|	
Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive

Dimensions and weight
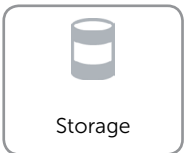
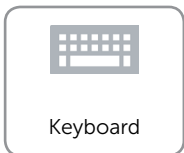System information

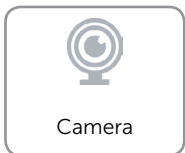Memory

Ports and connectors

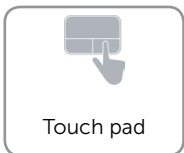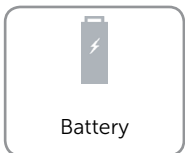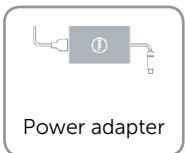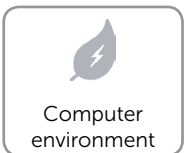Communications

Video

Audio

Storage

Media-card reader
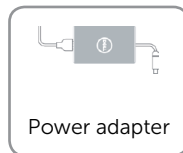
Display

Keyboard

Camera

Touch pad

Battery

Power adapter
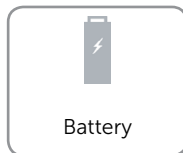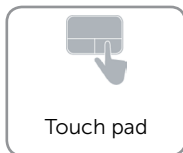
Computer environment
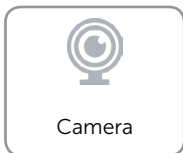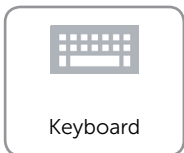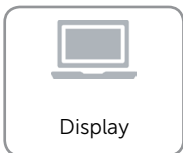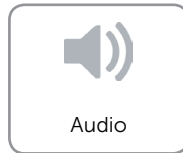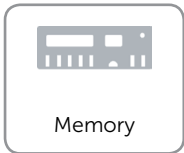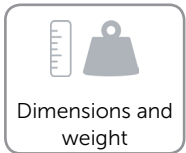
Media-card reader

Type	One SD card slot
Cards supported	SD card

Specifications

Display

Type	15.6-inch Truelife
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)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Pixel pitch	0.2520 mm
Controls	Brightness can be controlled using 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
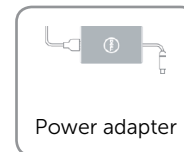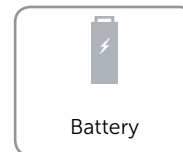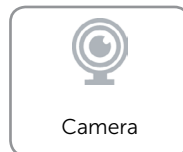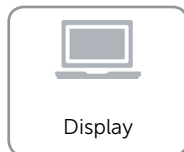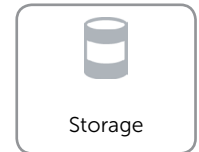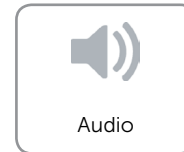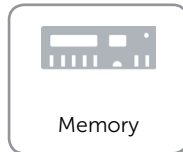
Specifications

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 BIOS setup program.

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
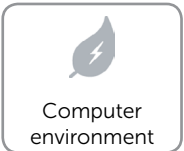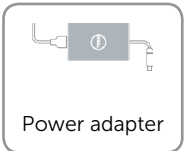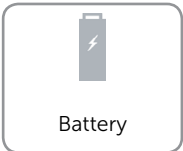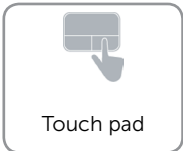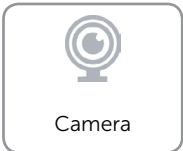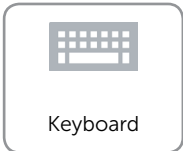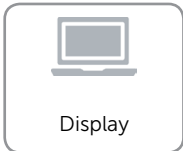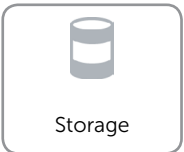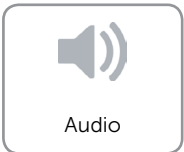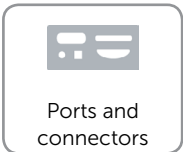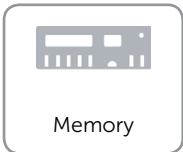
Shortcut keys

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

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
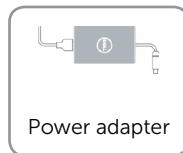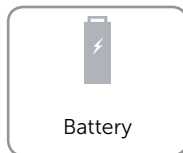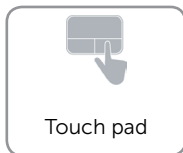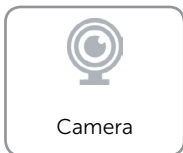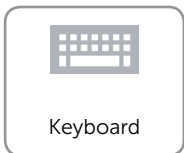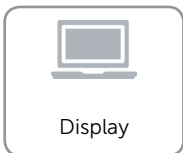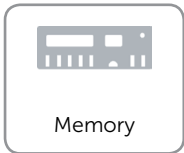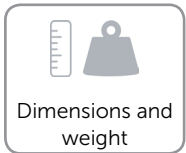
Touch pad

Resolution:	
Horizontal	508 dpi
Vertical	508 dpi
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	• 4-cell 40 WHr smart lithium • 4-cell 47 WHr smart lithium
Dimensions:	
Height	20.0 mm (0.79 in)
Width	270.2 mm (10.64 in)
Depth	37.5 mm (1.48 in)
Weight (maximum)	0.26 kg (0.57 lb)
Voltage	14.80 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

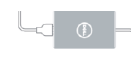|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
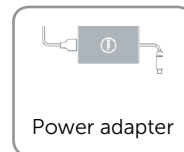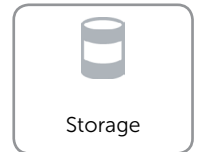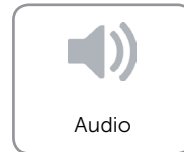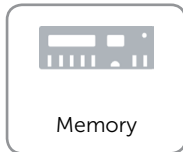
Specifications

Power adapter

Type	• 45 W
	• 65 W
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
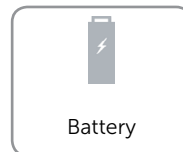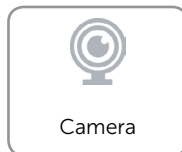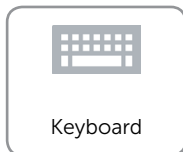
Touch pad

Battery

Power adapter

Computer environment
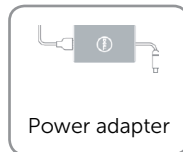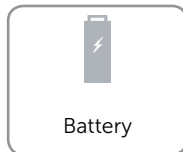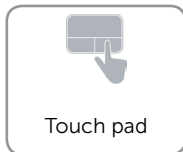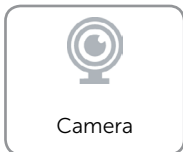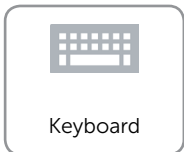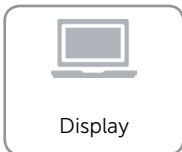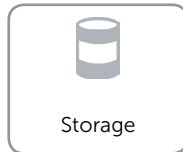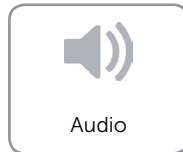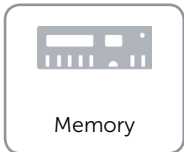
Specifications

Computer environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	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.

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