Inspiron 15

7000 Series

Views

Specifications

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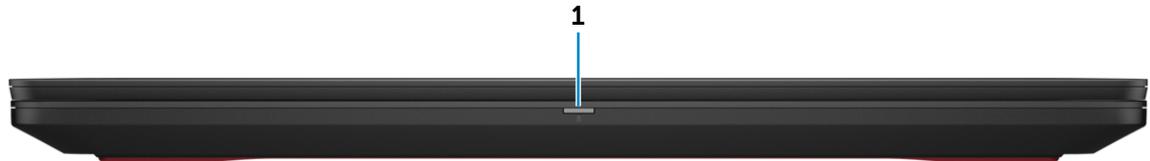
Views

Front

Left

Right

Base

Display

Front

1

1   **Power and battery-status light**

Indicates the power state and battery state of the computer.

Solid white—Power adapter is connected to the computer and the battery is being charged.

Solid yellow—Battery charge is low or critical.

Off—Power adapter is connected to the computer and battery is fully charged or power adapter is not connected to the computer and the battery has sufficient charge.
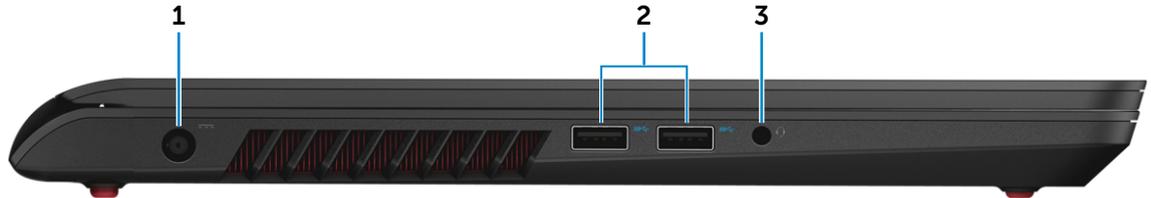
Views

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 **USB 3.0 ports (2)**

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

3 **Headset port**

Connect a headphone, a microphone, or a headphone and microphone combo (headset).

Front

Left

Right

Base

Display

Right

1   **Media-card reader**

Reads from and writes to media cards.

2   **USB 3.0 port with PowerShare**

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

PowerShare allows you to charge your USB devices even when your computer is turned off.

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.

5   **Security-cable slot**

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

Views

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 and tap with two fingers to right-click.

3 Right-click area

Press to right-click.

4 Power button

Press to turn on the computer if it is turned off, in hibernation, 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.

The power button light indicates the following:

Solid white—Computer is powered on

Off—Computer is in hibernation or powered off

📝 **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**.

Views

Front

Left

Right

Base

Display

Display

1 2 3 4

1   Left microphone

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

Specifications

Dimensions and weight

Height	25.30 mm (1 in)
Width	383 mm (15.08 in)
Depth	265 mm (10.43 in)
Weight (minimum)	2.58 kg (5.68 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

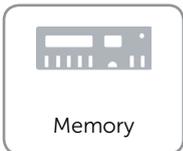|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
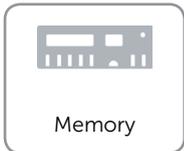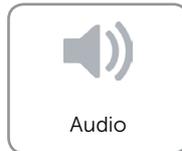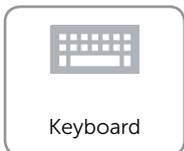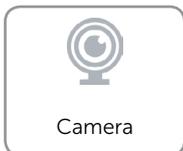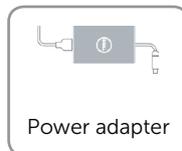
System information

Computer model	Inspiron 15-7559
Processor	6th Generation Intel Quad Core i5
	6th Generation Intel Quad Core i7
Chipset	Intel HM170 Express

Dimensions and weight

System information

Memory

Ports and connectors

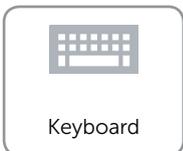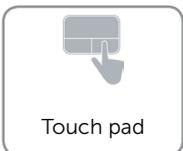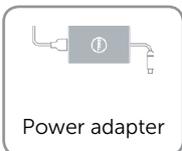Communications

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, 8 GB, 12 GB, and 16 GB

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Keyboard

Camera

Touch pad
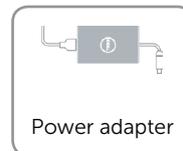
Battery

Power adapter

Computer environment
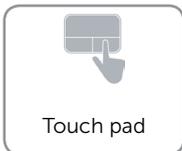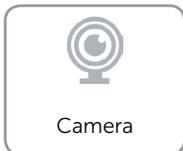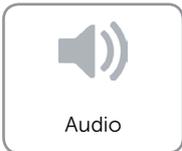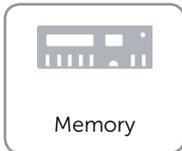
Specifications
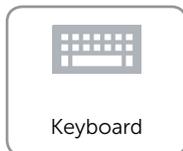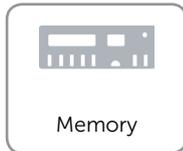
Ports and connectors

External:	
Network	One RJ45 port
USB	• Two USB 3.0 ports • One USB 3.0 port with PowerShare
Audio/video	• One HDMI port • One headset port
Internal:	
Mini-card	• One M.2 card slot for Wi-Fi card • One M.2 card slot for SSD card

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

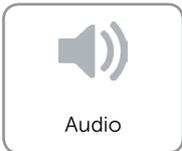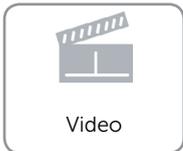| Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11 ac • Bluetooth 4.0 • WiDi

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
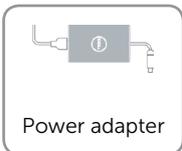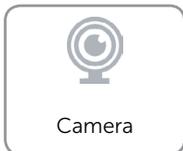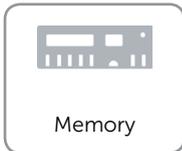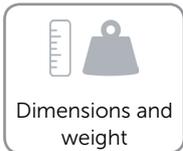
Video

Controller:	
Integrated	Intel HD Graphics 530
Discrete	NVIDIA GeForce GTX 960M
Memory:	
Integrated	Shared system memory
Discrete	4 GB GDDR5

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
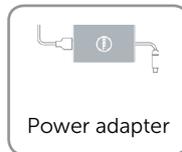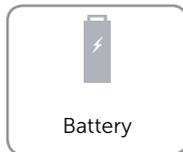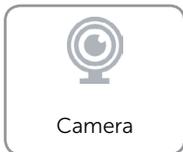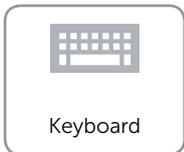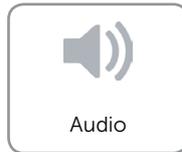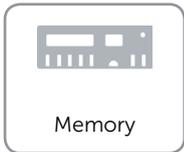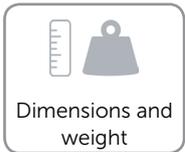
Audio

Controller	Realtek ALC3246 with Waves MaxxAudio Pro
Speakers	Two
Subwoofer	One
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
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
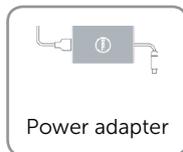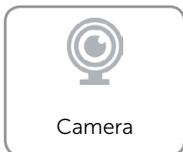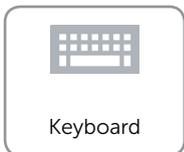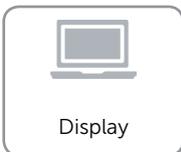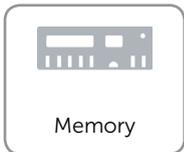
Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive
Solid state drive	One M.2 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
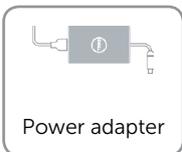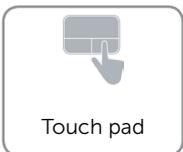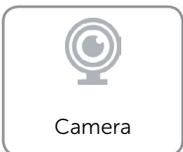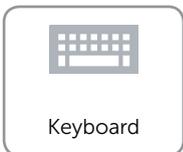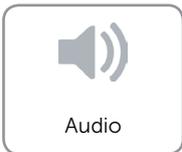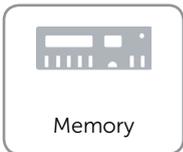
Specifications

Media-card reader

Type	One 2-in-1 slot
Cards supported	• SD Card • MultiMedia Card (MMC)

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
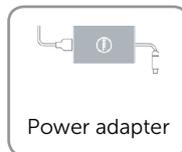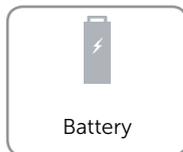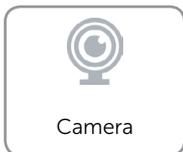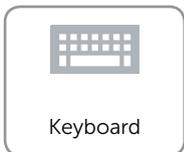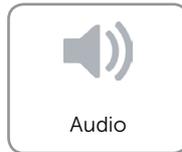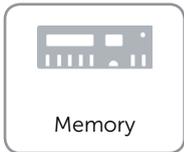
Specifications

Display

Type	• 15.6-inch HD non-touch screen • 15.6-inch FHD non-touch screen • 15.6-inch UHD touch screen		
Dimensions:			
Height	193.75 mm (7.62 in)		
Width	344.45 mm (13.56 in)		
Diagonal	396.24 mm (15.60 in)		
Resolution (maximum):	**HD non-touch screen**	**FHD non-touch screen**	**UHD touch screen**
	1366 x 768	1920 x 1080	3840 x 2160
Pixel pitch	0.252 mm	0.17925 mm	0.0897 mm
Refresh rate	60 Hz		
Operating angle	0 degrees (closed) to 135 degrees		
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
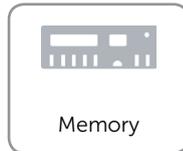
Keyboard

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 System Setup. 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
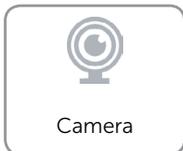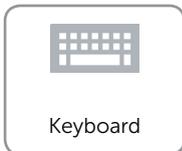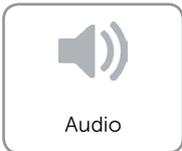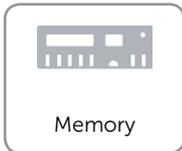
Shortcut keys

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
F10	Toggle keyboard backlight
F11 ☀	Decrease brightness
F12 ☀	Increase brightness

Fn + PrtScr	Turn off/on wireless
Fn + B	Pause/Break
Fn + H	Toggle between battery-status light/hard-drive activity light
Fn + Insert	Sleep
Fn + S	Toggle Scroll lock
Fn + Esc	Toggle Fn-key lock

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

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Media-card reader

Display

Keyboard

Camera

Touch pad

Battery

Power adapter

Computer environment
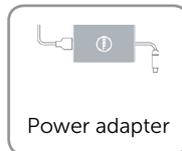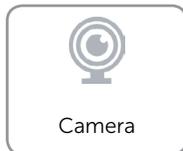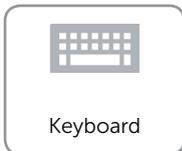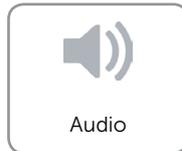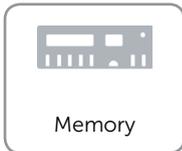
Touch pad

Resolution:	
Horizontal	800 dpi
Vertical	800 dpi
Dimensions:	
Width	105 mm (4.13 in)
Height	80 mm (3.14 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

Battery

Type	6-cell "smart" lithium ion (74 WHr)
Dimensions:	
Width	177.80 mm (7 in)
Depth	87.85 mm (3.46 in)
Height	11.30 mm (0.44 in)
Weight (maximum)	0.35 kg (0.77 lb)
Voltage	11.10 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

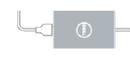|							
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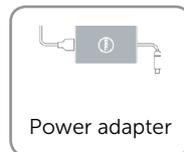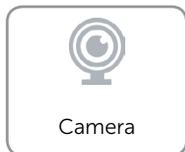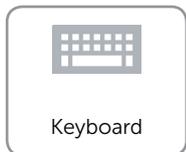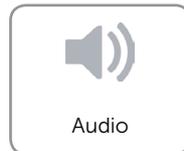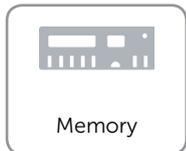
Specifications

Power adapter

Type	130 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	2.50 A
Output current (maximum)	6.70 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
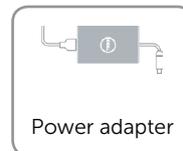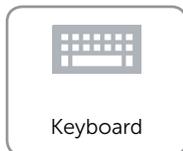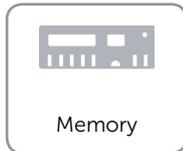
Specifications

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.

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