Inspiron 17

5000 Series

Views

Specifications

2015 - 03   Rev. A00

Regulatory model: P28E | Type: P28E001

Computer model: Inspiron 17-5758

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

Views

Front

Front

Left

Right

Base

Display

1

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

Indicates the power state and battery state of the computer.

White light — Power adapter is connected and the battery is fully charged.

Solid yellow light — Battery charge is low or critical.

Blinking yellow light — Battery charge is critical.

Turns on when the computer reads from or writes to the hard drive.

Press Fn+H to toggle between power and battery-status light/hard-drive activity light

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 **Network port**

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

The two lights next to the port indicate the connectivity status and network activity.

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.

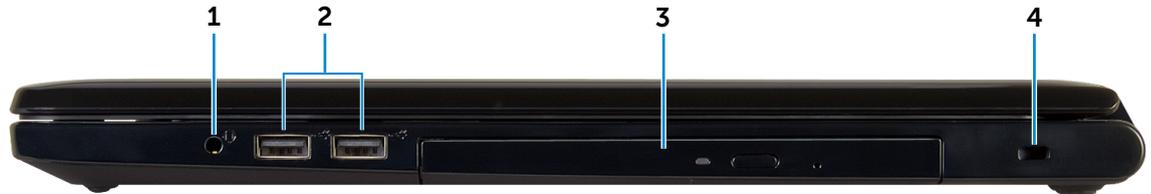**5** **Media-card reader**

Reads from and writes to media cards.

Views

Right

1   **2**   **3**   **4**

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. Provide 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.

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 behaviour in Power Options. For more information, see *Me and My Dell* at **dell.com/support**.

Views

Display

Front

Left

Right

Base

Display

1 2 3   4

1   Left microphone

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

2   Camera

Allows you to do 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.

Specifications

Dimensions and weight

Height:	
Touch	29.20 mm (1.15 in)
Non-touch	27 mm (1.06 in)
Width	416.90 mm (16.41 in)
Depth	283.20 mm (11.15 in)
Weight (maximum):	
Touch	3.34 kg (7.36 lb)
Non-touch	2.82 kg (6.22 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

Dimensions and weight
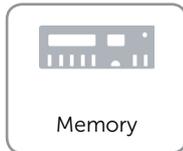
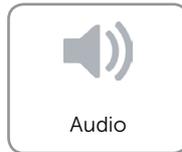System information

Memory

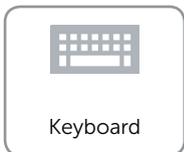Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display
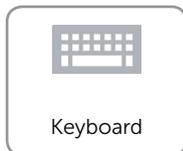
Keyboard

Camera

Touch pad

Battery
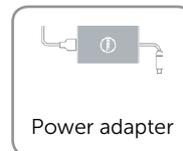
Power adapter

Computer environment

Specifications

System information

Computer model	Inspiron 17-5758
Processor	• 4th Generation Intel Core i3 • 5th Generation Intel Core i3/i5/i7 • Intel Pentium Quad Core
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	DDR3L
Speed	1600 MHz
Configurations supported	4 GB, 6 GB, 8 GB, 12 GB, and 16 GB

Dimensions and weight
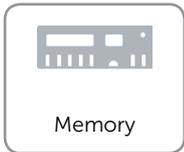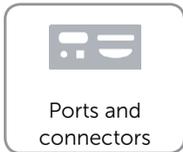
System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Keyboard

Camera

Touch pad

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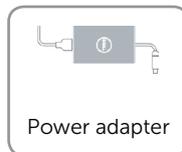
Power adapter

Computer environment

Specifications

Ports and connectors

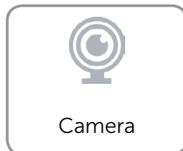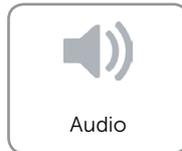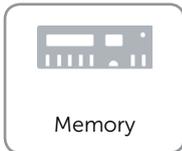| External:	
Network	One RJ45 port
USB	• Two USB 2.0 ports • One USB 3.0 port
Audio/video	• One HDMI port • One headphone and microphone combo (headset) port
Internal:	
Mini-card	One NGFF card slot for Wi-Fi and Bluetooth combo card
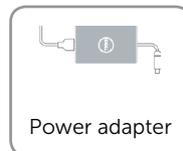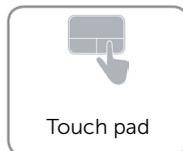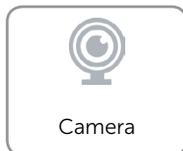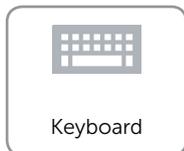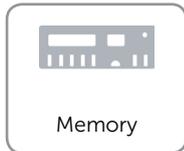
Communications

Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11b/g/n • Wi-Fi 802.11ac • Bluetooth 4.0 • Intel 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
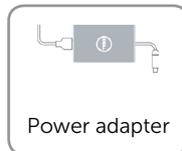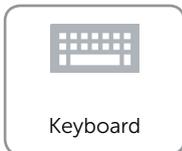
Video

Controller:	
Integrated	• Intel HD Graphics
	• Intel HD Graphics 4400
	• Intel HD Graphics 5500
Discrete	NVIDIA GeForce 920M
Memory:	
Integrated	Shared system memory
Discrete	Up to 4 GB DDR3L

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
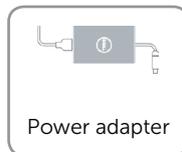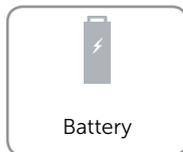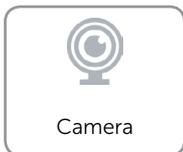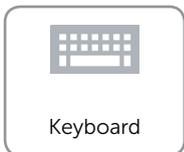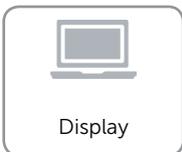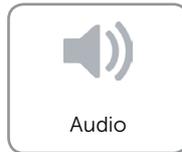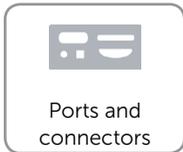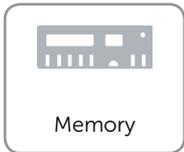
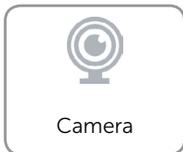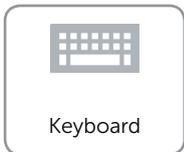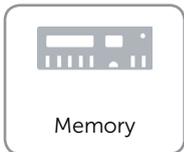## Audio

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

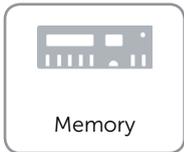| Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
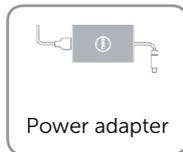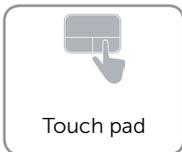
Specifications

Storage

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

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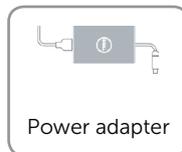
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

Specifications

Media-card reader

Type	One SD card slot
Cards supported	• SD • SD High-Capacity (SDHC) • SD Extended-Capacity (SDXC)

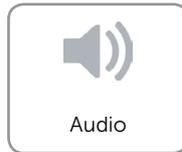Dimensions and weight

System information
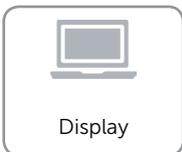
Memory

Ports and connectors
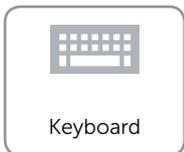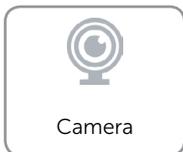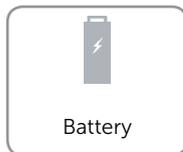
Communications

Video

Audio

Storage

Media-card reader

Display

Keyboard
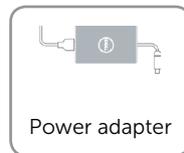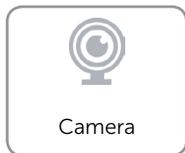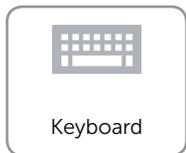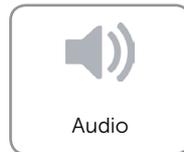
Camera

Touch pad

Battery

Power adapter

Computer environment

Specifications

Display

Type	• 17.3-inch FHD WLED touch screen • 17.3-inch HD+ WLED • 17.3-inch FHD WLED
Resolution (maximum)	• FHD — 1920 x 1080 • HD+ — 1600 x 900
Pixel pitch	• FHD — 0.1989 mm • HD+ — 0.23868 mm
Dimensions:	
Height	233.30 mm (9.18 in)
Width	398.60 mm (15.69 in)
Diagonal	439.42 mm (17.30 in)
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 135 degrees
Controls	Brightness can be controlled using shortcut keys.

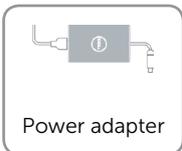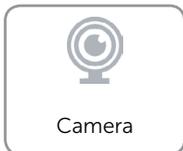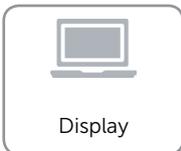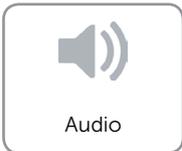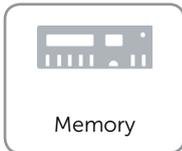|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
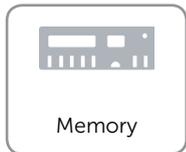
Keyboard

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
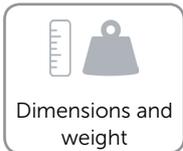
Shortcut keys

F1 ◀×	Mute audio
F2 ◀	Decrease volume
F3 ◀))	Increase volume
F4 ◀◀	Play previous track/chapter
F5 ▶Ⅱ	Play/Pause
F6 ▶▶	Play next track/chapter
F8	Switch to external display
F9 🔍	Search
F10	Toggle keyboard backlight
F11 ☼	Decrease brightness
F12 ☀	Increase brightness

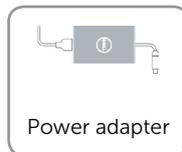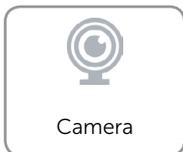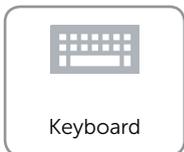|		
Fn	+ PrtScr	Turn off/on wireless
Fn	+ H	Toggle between power and battery-status light/hard-drive activity light
Fn	+ Insert	Sleep
Fn	+ Esc	Toggle Fn-key lock
Fn	+ Ctrl	Open application menu
Fn	+ B	Pause/Break
Fn	+ R	System request
Fn	+ S	Toggle scroll lock

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	Storage
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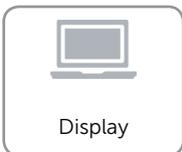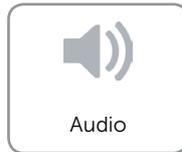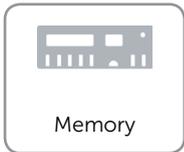
Specifications

Touch pad

Resolution:	
Horizontal	2189 dpi
Vertical	2417 dpi
Dimensions:	
Width	105 mm (4.13 in)
Height	80 mm (3.15 in)

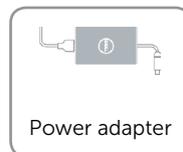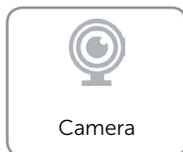Dimensions and weight | System information | Memory | Ports and connectors | Communications | Video | Audio | Storage

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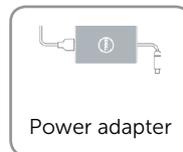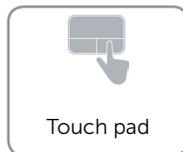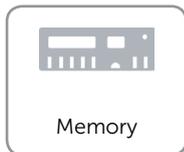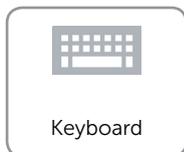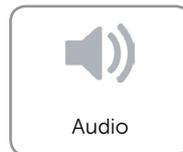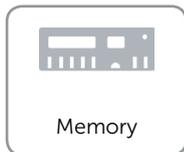
Specifications

Battery

Type	• 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 (1.47 in)
Height	20 mm (0.78 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

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:	
45 W	1.30 A
65 W	1.60 A/1.70 A
Output current:	
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)

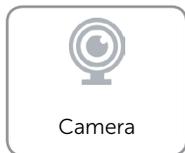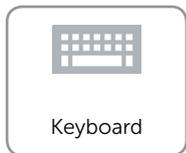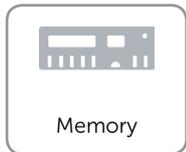|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
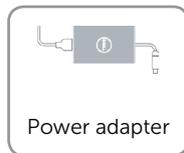
Specifications

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.
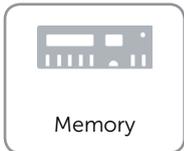
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

Dimensions and weight

System information

Memory

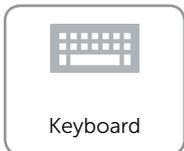Ports and connectors

Communications

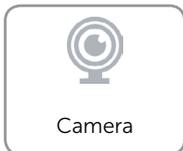Video

Audio

Storage

Media-card reader

Display

Keyboard

Camera

Touch pad

Battery

Power adapter

Computer environment