



# Inspiron 14

7000 Series



[Views](#)

[Specifications](#)

**Copyright © 2014 Dell Inc. All rights reserved.** This product is protected by U.S. and international copyright and intellectual property laws. Dell™ and the Dell logo are trademarks of Dell Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

2014 - 06 Rev. A00

Regulatory model: P55G | Type: P55G001

Computer model: Inspiron 7447

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



Front



Left



Right

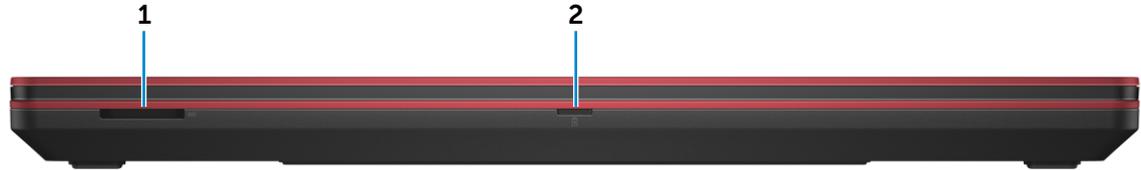


Base



Display

## Front



- 1 Media-card reader**  
Reads from and writes to media cards.

- 2 Power and battery-status light**  
Indicates the power state and battery state of the computer.  
White light — Power adapter is connected and the battery is being charged.  
Amber — Battery charge is low or critical.  
**NOTE:** You can check the battery-charge status using the battery icon in the notification area after booting into Windows.



Front



Left



Right



Base



Display

## Left



### 1 Power-adapter port

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

### 2 HDMI port

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

### 3 USB 3.0 port

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

### 4 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.

**NOTE:** If your computer is powered off or in Hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in BIOS setup program.

**NOTE:** Certain USB devices may not charge when the computer is powered off or in the Sleep state. In such cases, turn on the computer to charge the device.

### 5 Headset port

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



Front



Left



Right



Base



Display

## Right



**1 Optical drive**

Reads from and writes to CDs and DVDs.

**2 USB 2.0 port**

Connect peripherals such as storage devices, printers, and so on. Provides data transfer speeds up to 480 Mbps.

**3 Network port**

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

**4 Security-cable slot**

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



# Views

## Base



Front



Left



Right



Base



Display



### 1 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 4 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](http://dell.com/support).

### 2 Right-click area

Press to right click.

### 3 Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left click.

### 4 Left-click area

Press to left click.



Front



Left



Right



Base



Display

## Display



**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	25.9 mm (1.02 in) to 35.6 mm (1.40 in)
Width	346.5 mm (13.64 in)
Depth	247.5 mm (9.74 in)
Weight (minimum)	2.2 kg (4.85 lb)

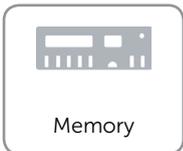
**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



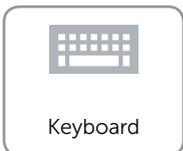
Storage



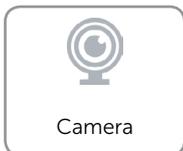
Media-Card Reader



Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



Computer Environment



# Specifications

## System Information

Computer model	Inspiron 7447
Processor	<ul style="list-style-type: none"><li>4th Generation Intel Dual Core i5 – H Series</li><li>4th Generation Intel Quad Core i7 – H Series</li></ul>
Chipset	Lynx Point HM87



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



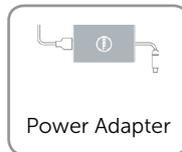
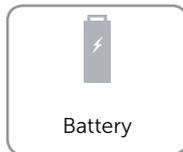
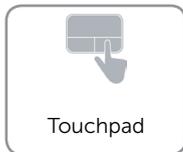
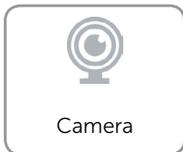
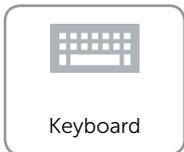
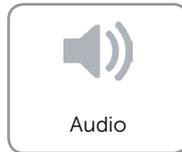
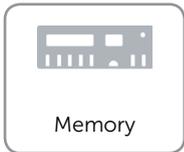
Computer Environment



# Specifications

## Memory

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





# Specifications

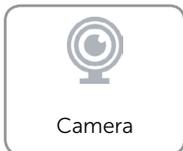
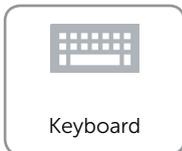
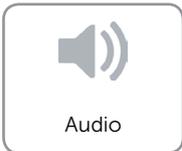
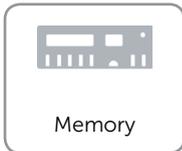
## Ports and Connectors

### External:

Network	One RJ45 port with Preboot eXecution Environment (PXE) support
USB	<ul style="list-style-type: none"><li>• One USB 2.0 port</li><li>• Two USB 3.0 ports</li></ul>
Audio/Video	<ul style="list-style-type: none"><li>• One HDMI port</li><li>• One headphone and microphone combo (headset) port</li></ul>

### Internal:

Mini card	One mini-card slot for Wi-Fi, Bluetooth, and Wireless Display combo card
-----------	--





# Specifications

## Communications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11 b/g/n
- Wi-Fi 802.11 ac
- Bluetooth 4.0
- WiDi (Wireless Display)

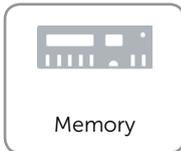
**NOTE:** When using the Wireless Display feature, the resolution on your wireless display is set up to a maximum of 1366 x 768 to ensure good audio and video quality.



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



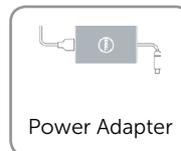
Camera



Touchpad



Battery



Power Adapter



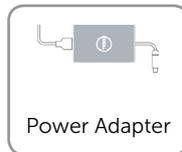
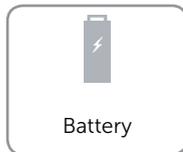
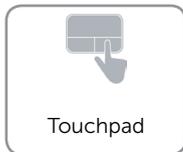
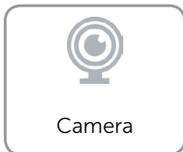
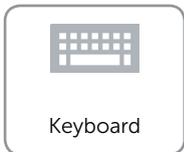
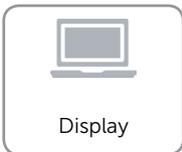
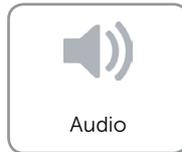
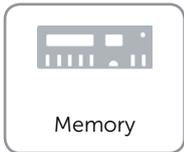
Computer Environment



# Specifications

## Video

Controller:	
Integrated	Intel Iris Pro Graphic 5200
Discrete	NVIDIA GeForce GTX 850M
Memory:	
Integrated	Shared system memory
Discrete	4 GB

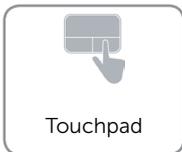
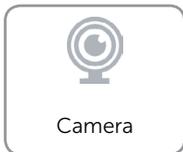
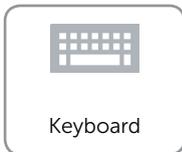
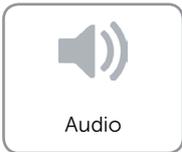
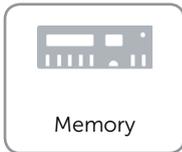




# Specifications

## Audio

Controller	Realtek ALC3234CG with Waves MaxxAudio Pro
Speakers	Two
Subwoofer	One
Output (speakers and subwoofer):	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys

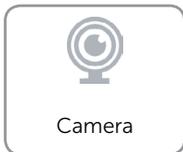
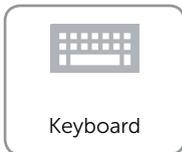
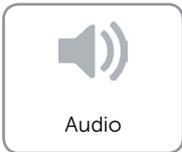
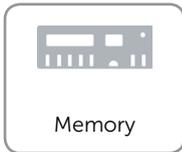




# Specifications

## Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive
Optical drive	One 9.5 mm DVD+/-RW drive





# Specifications

## Media-Card Reader

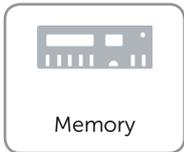
Type	One 3-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD card</li><li>• SD High-Capacity (SDHC) card</li><li>• SD Extended Capacity (SDXC) card with Ultra High Speed (UHS)</li></ul>



Dimensions and Weight



System Information



Memory



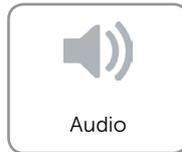
Ports and Connectors



Communications



Video



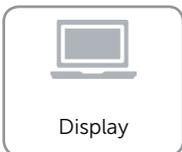
Audio



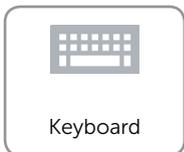
Storage



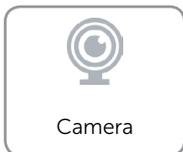
Media-Card Reader



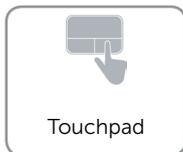
Display



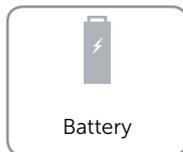
Keyboard



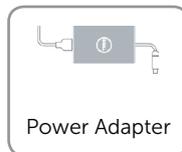
Camera



Touchpad



Battery



Power Adapter



Computer Environment



# Specifications

## Display

Type	<ul style="list-style-type: none"><li>• 14.0-inch HD</li><li>• 14.0-inch FHD</li></ul>	
Dimensions:		
Height	205.6 mm (8.09 in)	
Width	320.9 mm (12.63 in)	
Diagonal	355.6 mm (14 in)	
	<b>HD</b>	<b>FHD</b>
Resolution (maximum)	1366 x 768	1920 x 1080
Pixel pitch	0.2265 mm	0.161 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

Touchpad

Battery

Power Adapter

Computer Environment



# Specifications

## 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.

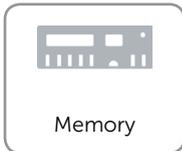
**NOTE:** You can define the primary behavior of the shortcut keys by changing **Function Key Behavior** in BIOS setup program.



Dimensions and Weight



System Information



Memory



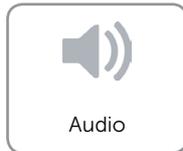
Ports and Connectors



Communications



Video



Audio



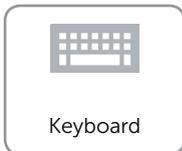
Storage



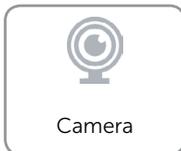
Media-Card Reader



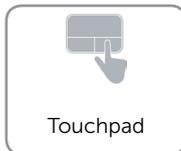
Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



Computer Environment



# Specifications

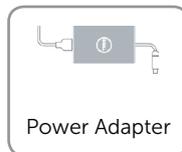
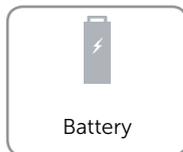
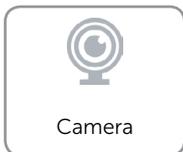
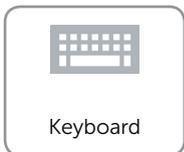
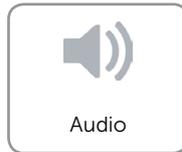
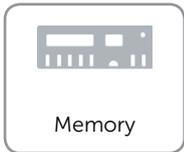
## Camera

Resolution:

Still image 0.92 megapixel

Video 1280 x 720 at 30 fps

Diagonal viewing angle 74 degrees





# Specifications

## Touchpad

### Resolution:

Horizontal	1207 dpi
Vertical	1702 dpi

### Dimensions:

Width	106.9 mm (4.21 in)
Height	61.9 mm (2.44 in)



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



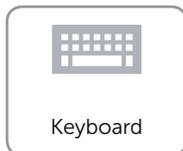
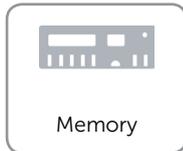
Computer Environment



# Specifications

## Battery

Type	6-cell "smart" lithium ion (65 WHr)
Dimensions:	
Width	272.40 mm (10.72 in)
Depth	50.80 mm (2 in)
Height	26.70 mm (1.05 in)
Weight (maximum)	0.38 kg (0.84 lb)
Voltage	11.10 VDC
Charging time when the computer is off (approximate)	5 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

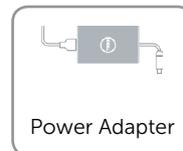
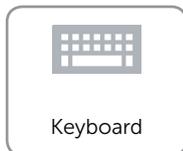
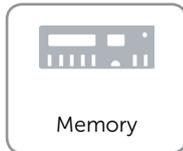




# Specifications

## Power Adapter

Type	90 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.60 A
Rated output voltage	19.50 VDC
Output current (continuous)	4.62 A
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	–40°C to 70°C (–40°F to 158°F)





# Specifications

## Computer Environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	<b>Operating</b>	<b>Storage</b>
Temperature range	0°C to 40°C (32°F to 104°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)	140 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.

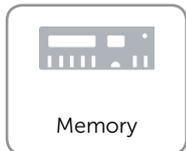
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



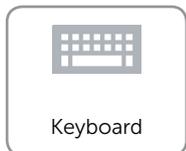
Storage



Media-Card Reader



Display



Keyboard



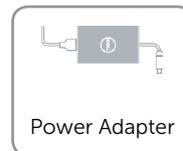
Camera



Touchpad



Battery



Power Adapter



Computer Environment