



# INSPIRON 15



[Views](#)

[Specifications](#)

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2014 - 01 Rev. A03

Regulatory model: P28F | Type: P28F001/P28F003

Computer model: Inspiron 5521/5537

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



Front



Left



Right

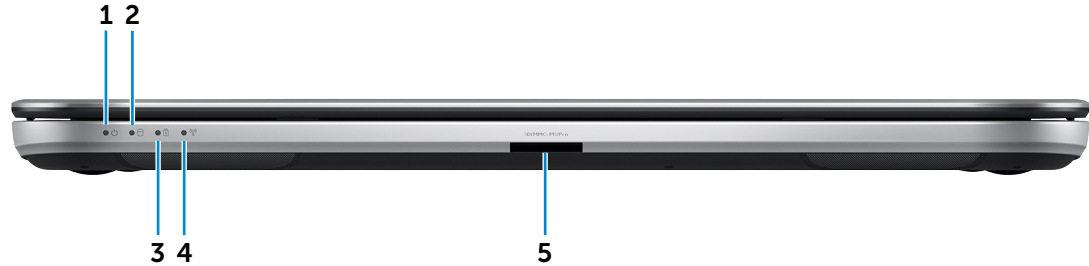


Base



Display

## Front



### 1 Power-status light

Indicates the power state of the computer.

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

### 2 Hard-drive activity light

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

### 3 Battery-status light

Indicates the battery state of the computer.

Solid yellow light — Battery charge is low or critical.

Blinking yellow light — Battery charge is critical.

### 4 Wireless-status light

Turns on when wireless is turned on.

### 5 Media-card reader

Reads from and writes to media cards.



Front



Left



Right

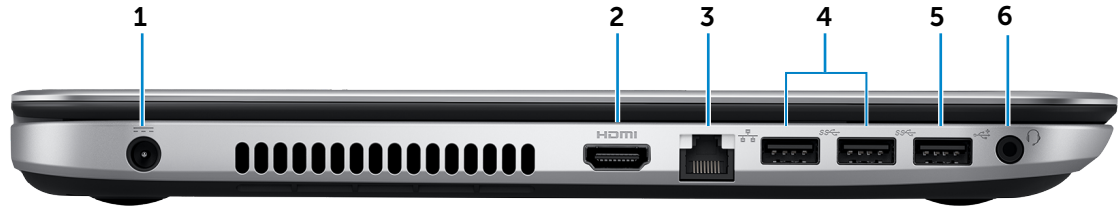


Base



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 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 connector indicate the connectivity status and network activity.

### 4 USB 3.0 ports (2)

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

### 5 USB 2.0 port

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

### 6 Headset port

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



Front



Left



Right



Base



Display

## Right



**1 USB 2.0 port (supports Windows debugging)**

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

This USB port can be used for Windows debugging.

**2 Optical drive**

Reads from and writes to CDs , DVDs and Blu-ray discs.

**3 Security-cable slot**

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



Front



Left



Right



Base



Display

## Base



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

### 2 Touchpad

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



Front



Left



Right

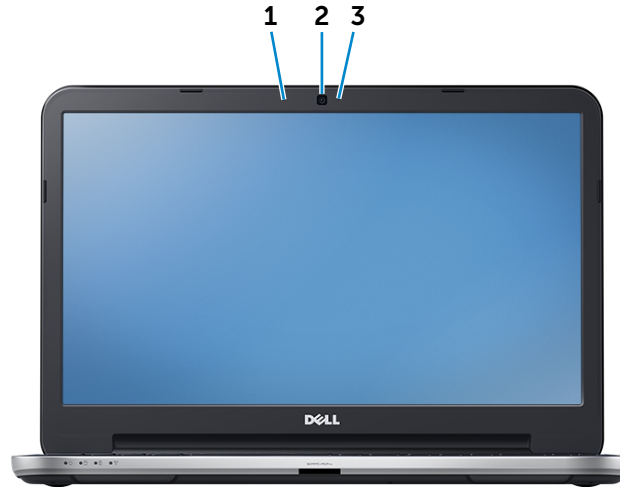


Base



Display

## Display



**1 Digital 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.



# Specifications

## Dimensions and Weight

### Height (with 6-cell battery):

|           |                    |
|-----------|--------------------|
| Non-touch | 1 in (25.40 mm)    |
| Touch     | 1.10 in (27.90 mm) |

Width 14.80 in (376 mm)

Depth 910.20 in (259 mm)

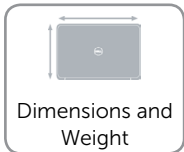
### Weight with 4-cell battery (maximum):

|           |                    |
|-----------|--------------------|
| Non-touch | 5.18 lbs (2.35 kg) |
| Touch     | 5.84 lbs (2.65 kg) |

### Weight with 6-cell battery (maximum):

|           |                    |
|-----------|--------------------|
| Non-touch | 4.85 lbs (2.20 kg) |
| Touch     | 5.51 lbs (2.50 kg) |

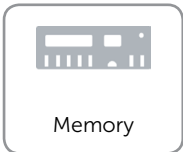
**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



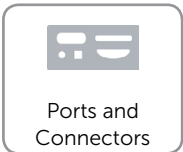
Dimensions and Weight



System Information



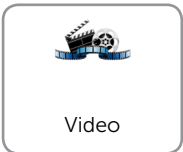
Memory



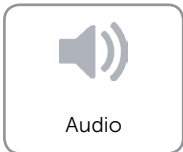
Ports and Connectors



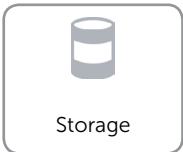
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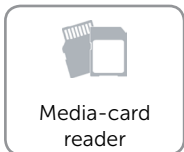
Video



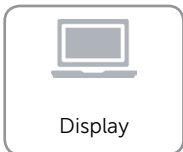
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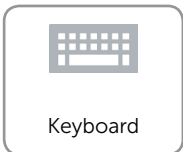
Storage



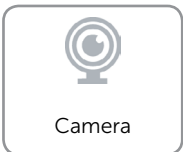
Media-card reader



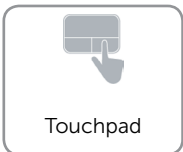
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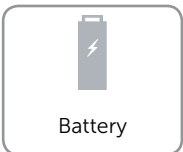
Keyboard



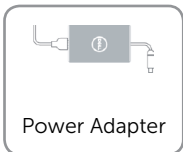
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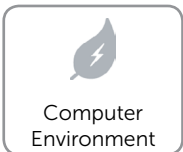
Touchpad



Battery



Power Adapter



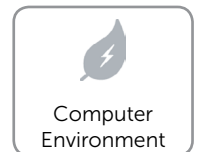
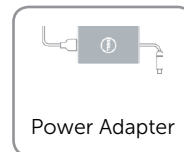
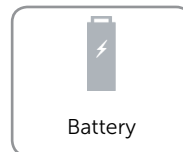
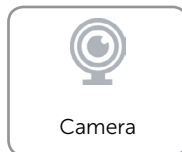
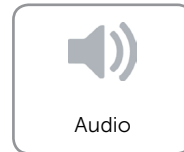
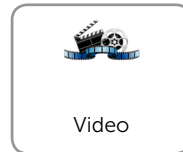
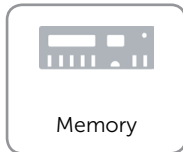
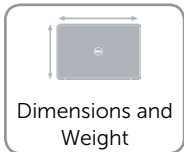
Computer Environment



# Specifications

## System Information

|                |   |   |
|----------------|---|---|
| Computer model | Inspiron 5521/5537  |   |
| Processor      | <b>Inspiron 5521</b>  | <b>Inspiron 5537</b>  |
|                | <ul style="list-style-type: none"><li>• Intel Celeron Dual Core (2<sup>nd</sup> and 3<sup>rd</sup> generation)</li><li>• Intel Pentium Dual Core (2<sup>nd</sup> and 3<sup>rd</sup> generation)</li><li>• Intel Core i3 ULV (3<sup>rd</sup> generation)</li><li>• Intel Core i5 ULV (3<sup>rd</sup> generation)</li><li>• Intel Core i7 ULV (3<sup>rd</sup> generation)</li></ul> | <ul style="list-style-type: none"><li>• Intel Celeron Dual Core (4<sup>th</sup> generation)</li><li>• Intel Pentium Dual Core (4<sup>th</sup> generation)</li><li>• Intel Core i3 ULV (4<sup>th</sup> generation)</li><li>• Intel Core i5 ULV (4<sup>th</sup> generation)</li><li>• Intel Core i7 ULV (4<sup>th</sup> generation)</li></ul> |
| L1 cache       | 32 KB   | 64 KB per core  |
| L2 cache       | 256 KB  | 256 KB per core   |
| L3 cache       | Up to 4 MB  | Up to 4 MB  |
| Chipset        | Intel HM76  | Integrated in processor   |







# Specifications

## Memory

### Connectors:

Inspiron 5521 Two internally-accessible DDR3 SODIMM connectors

Inspiron 5537 Two internally-accessible DDR3L SODIMM connectors

Capacity Up to 16 GB

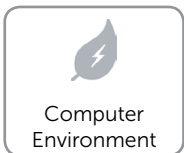
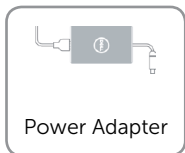
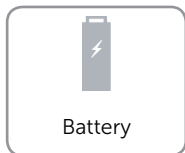
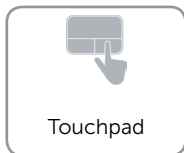
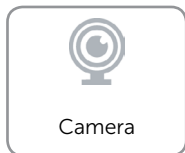
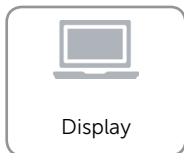
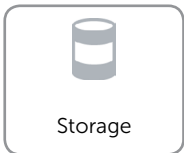
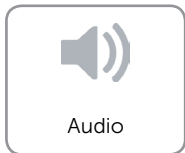
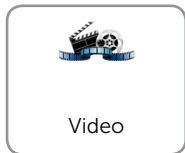
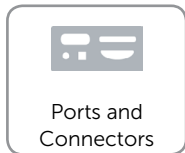
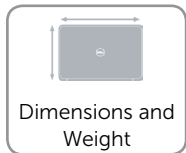
### Type:

Inspiron 5521 Dual channel DDR3

Inspiron 5537 Dual channel DDR3L

Speed Up to 1600 MHz

Configurations supported 2 GB, 4 GB, 6 GB, 8 GB, and 16 GB





# Specifications

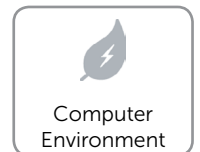
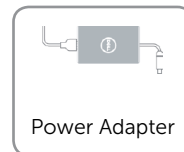
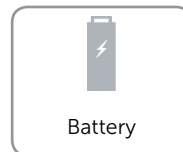
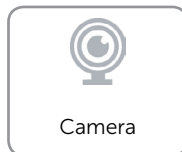
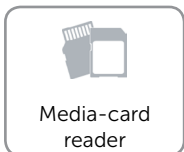
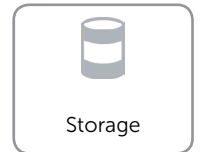
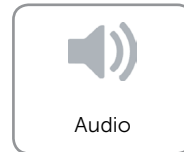
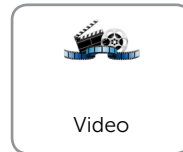
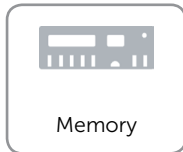
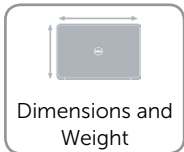
## Ports and Connectors

### External:

|         |  |
|---------|--|
| Network | One RJ45 port  |
| USB     | <ul style="list-style-type: none"><li>• Two USB 3.0 ports</li><li>• One USB 2.0 port</li><li>• One USB 2.0 port with Windows debugging</li></ul> |
| HDMI    | One HDMI port  |
| Audio   | One headphone and microphone combo (headset) port  |

### Internal:

|           |                    |
|-----------|--------------------|
| Mini-card | One mini-card slot |
|-----------|--------------------|





# Specifications

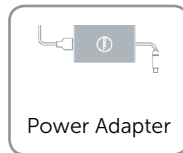
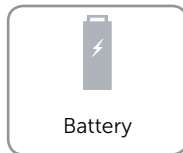
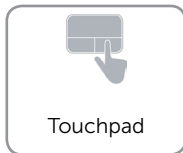
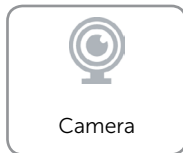
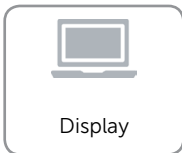
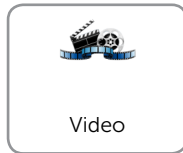
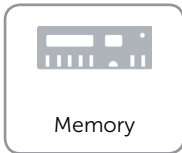
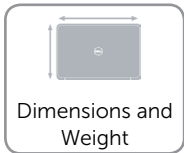
## Communications

Ethernet

10/100 Mbps Ethernet controller integrated on system board

Wireless

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





# Specifications

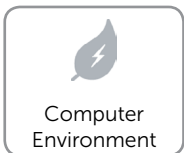
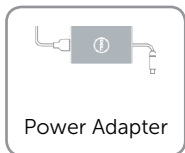
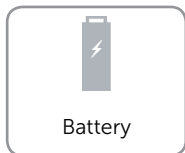
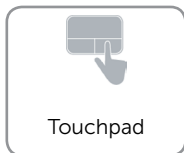
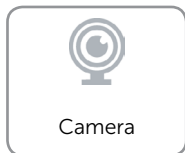
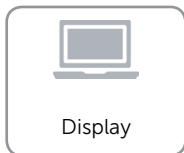
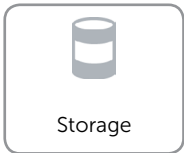
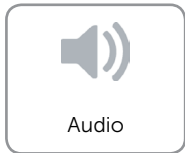
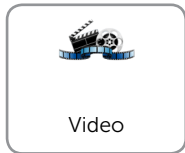
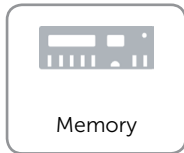
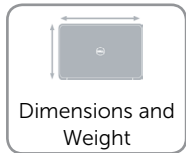
## Video

### Controller:

|            |   |
|------------|---|
| Integrated | Intel HD Graphics 5100/4200/4400 series   |
| Discrete   | <ul style="list-style-type: none"><li>• AMD Radeon HD 8670M</li><li>• AMD Radeon HD 8850M</li></ul> |

### Memory:

|            |                      |
|------------|----------------------|
| Integrated | Shared system memory |
| Discrete   | Up to 2 GB           |

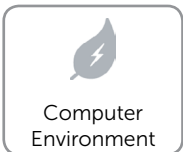
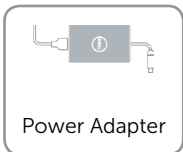
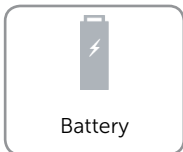
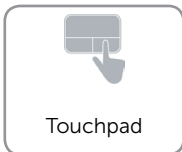
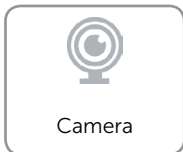
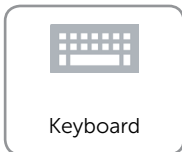
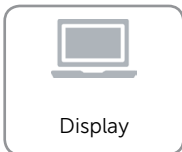
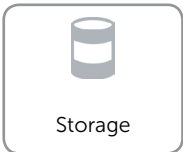
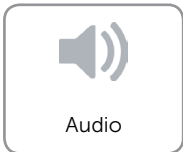
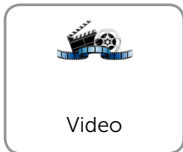
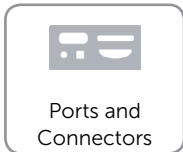
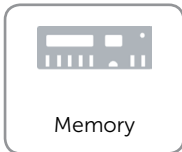
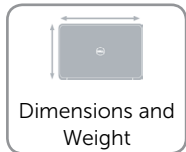




# Specifications

## Audio

|                 |  |
|-----------------|--|
| Controller      | ALC3223  |
| Speakers        | Two  |
| Speaker output: |  |
| Average         | 2 watt   |
| Peak            | 2 watt   |
| Microphone      | Single digital microphone in the camera assembly |
| Volume controls | Program menus and keyboard media-control keys    |

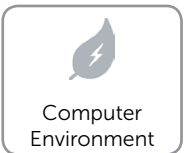
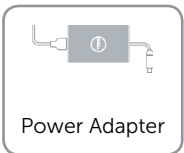
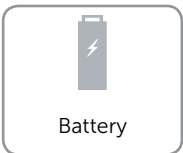
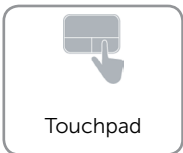
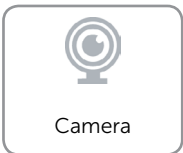
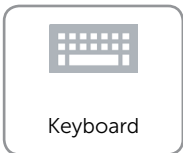
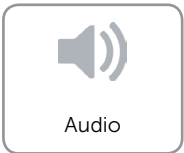
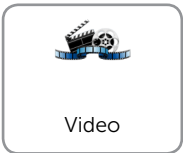
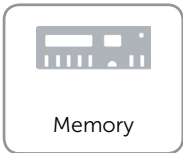
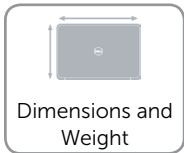




# Specifications

## Storage

|                  |   |
|------------------|---|
| Interface        | <ul style="list-style-type: none"><li>• SATA 1.5 Gbps</li><li>• SATA 3 Gbps</li><li>• SATA 6 Gbps</li></ul> |
| Hard drive       | One 2.5-inch drive (supports Intel Smart Response Technology)   |
| Optical drives   | One 9.5 mm SATA drive   |
| Drives supported | <ul style="list-style-type: none"><li>• DVD+/-RW</li><li>• Blu-ray RW</li></ul>                             |

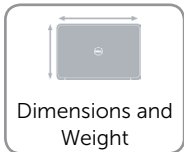




# Specifications

## Media-card reader

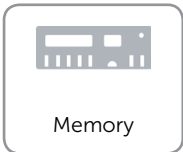
|                 |  |
|-----------------|--|
| Type            | One 8-in-1 slot  |
| Cards supported | <ul style="list-style-type: none"><li>• Secure Digital (SD) memory card</li><li>• SD High-Capacity (SDHC) card</li><li>• Secure-Digital Extended Capacity (SDXC) card with Ultra High Speed (UHS)</li><li>• Memory Stick</li><li>• Memory Stick PRO</li><li>• Memory Stick XC (MSXC)</li><li>• MultiMedia Card (MMC)</li><li>• MultiMedia Card plus (MMC+)</li></ul> |



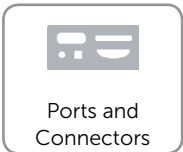
Dimensions and Weight



System Information



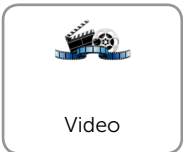
Memory



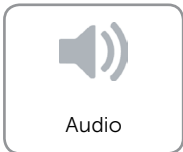
Ports and Connectors



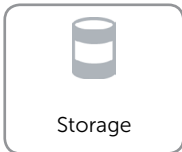
Communications



Video



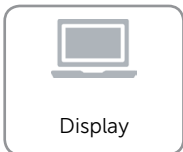
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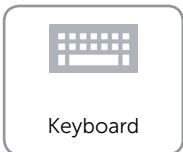
Storage



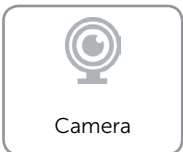
Media-card reader



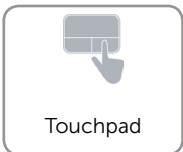
Display



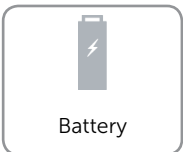
Keyboard



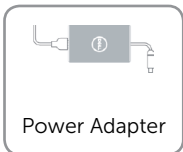
Camera



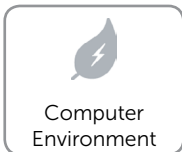
Touchpad



Battery



Power Adapter



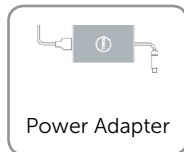
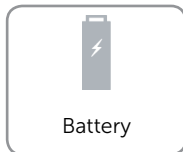
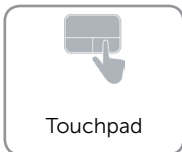
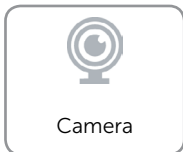
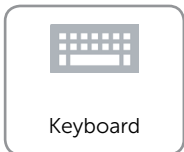
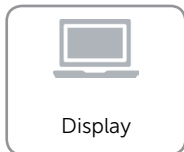
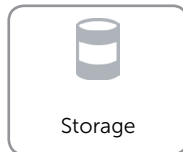
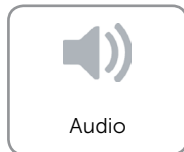
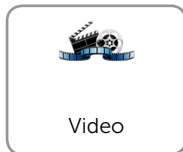
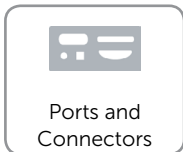
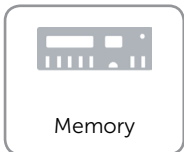
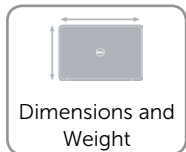
Computer Environment



# Specifications

## Display

|                      |  |
|----------------------|--|
| Type                 | <ul style="list-style-type: none"><li>• 15.6-inch HD</li><li>• 15.6-inch HD with touch</li><li>• 15.6-inch full HD</li></ul> |
| Resolution (maximum) | <ul style="list-style-type: none"><li>• HD – 1366 x 768</li><li>• Full HD – 1920 x 1080</li></ul>                            |
| Dimensions:          |  |
| Height               | 8.83 in (224.30 mm)  |
| Width                | 14.17 in (360 mm)  |
| Diagonal             | 15.60 in (396.24 mm)   |
| Refresh rate         | 60 Hz  |
| Operating angle      | 0 degree (closed) to 140 degrees   |
| Pixel pitch          | 0.252 mm x 0.252 mm  |
| Controls             | Brightness can be controlled using shortcut keys.  |



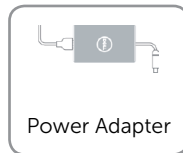
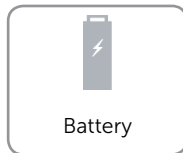
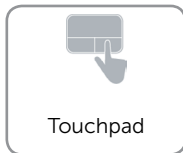
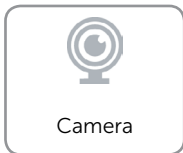
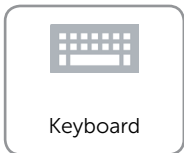
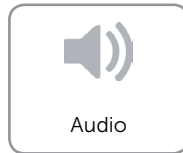
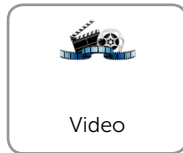
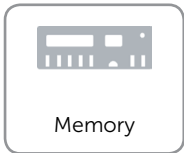
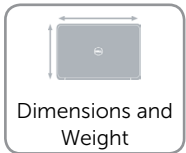




# Specifications

## Keyboard

|               |   |
|---------------|---|
| Type          | Chiclet keyboard  |
| Shortcut keys | <p>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.</p> <p><b>NOTE:</b> You can define the primary behavior of the shortcut keys by changing <b>Function Key Behavior</b> in System Setup.</p> |





# Specifications

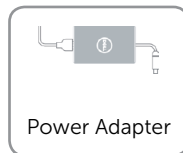
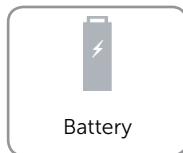
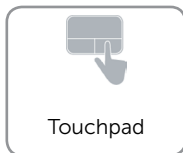
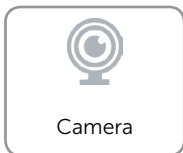
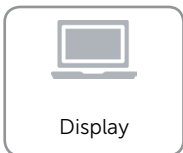
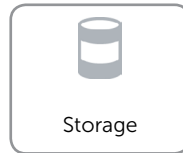
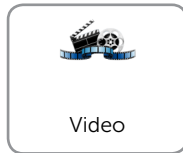
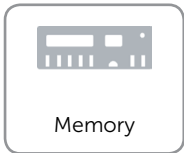
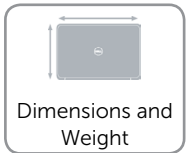
## Camera

### Resolution:

Still image 0.92 megapixel

Video 1280 x 720 (HD) at 30 fps (maximum)

Diagonal viewing angle 74 degrees





# Specifications

## Touchpad

### Resolution:

|            |          |
|------------|----------|
| Horizontal | 1261 dpi |
| Vertical   | 1810 dpi |

### Dimensions:

|        |                 |
|--------|-----------------|
| Width  | 2.13 in (54 mm) |
| Height | 3.86 in (98 mm) |



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



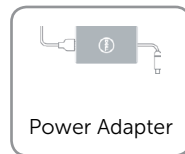
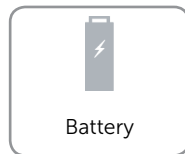
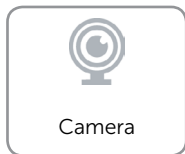
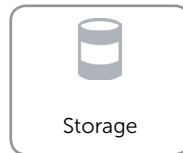
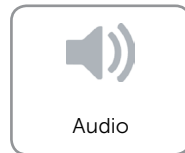
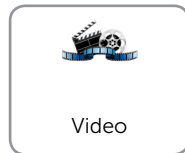
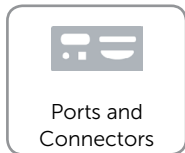
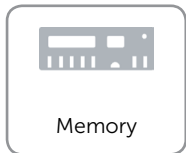
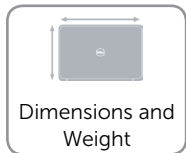
Computer Environment



# Specifications

## Battery

|                         |   |                      |
|-------------------------|---|----------------------|
| Type                    | <ul style="list-style-type: none"> <li>4-cell "smart" lithium ion (40 WHr) – non-touch only</li> <li>6-cell "smart" lithium ion (65 WHr)</li> </ul> |                      |
| Dimensions:             | <b>4-cell</b>   | <b>6-cell</b>        |
| Height (touch)          | N/A   | 1.08 in (27.4 mm)    |
| Height (non touch)      | 0.79 in (20 mm)   | 0.98 in (24.9 mm)    |
| Width                   | 10.72 in (272.40 mm)  | 10.72 in (272.40 mm) |
| Depth                   | 1.94 in (49.30 mm)  | 1.94 in (49.3 mm)    |
| Weight (maximum)        | 0.57 lb (0.26 kg)   | 0.79 lb (0.36 kg)    |
| Voltage                 | 14.80 VDC   | 11.10 VDC            |
| 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   |                      |

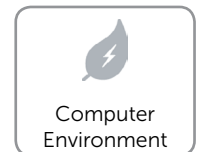
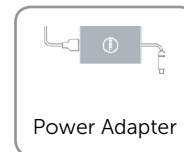
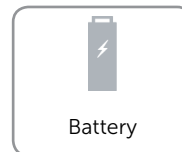
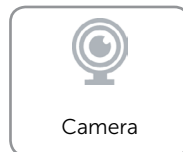
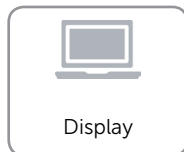
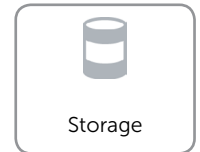
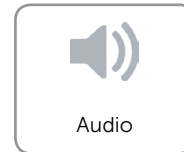
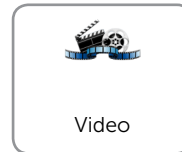
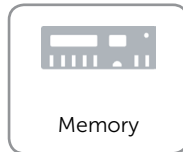
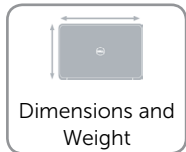




# Specifications

## Power Adapter

|                      |   |
|----------------------|---|
| Type                 | <ul style="list-style-type: none"><li>• 65 W</li><li>• 90 W</li></ul> |
| Input voltage        | 100 VAC–240 VAC   |
| Input frequency      | 50 Hz–60 Hz   |
| Input current        | 1.50A/1.60A/1.70A/2.50A   |
| Output current       | 3.34 A/ 4.62 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)                                    |





# 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 70 °C (-40 °F to 158 °F)        |
| Relative humidity (maximum) | 10 % to 90 % (non-condensing)           | 10 % 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 with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage

