



# 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

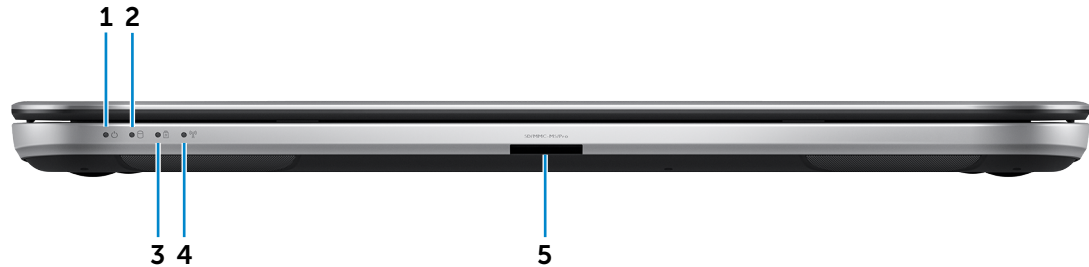


Base



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

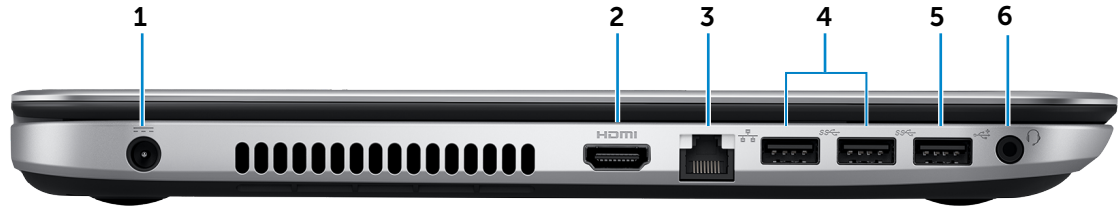


Base



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

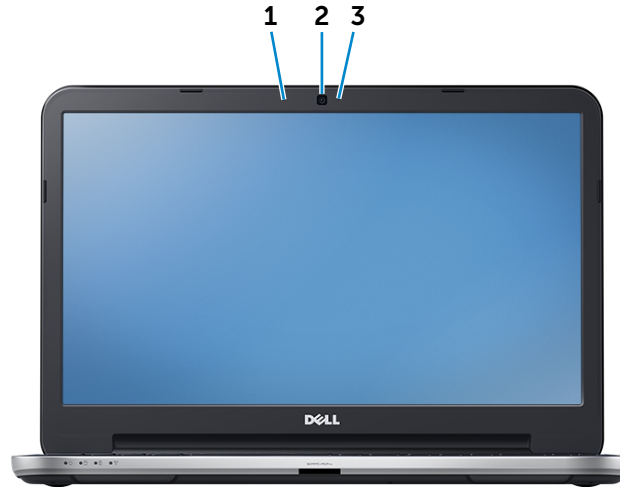


Base



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)

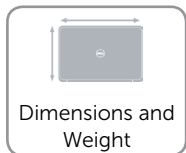
### Weight with 4-cell battery (maximum):

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)

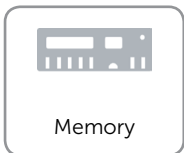
**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



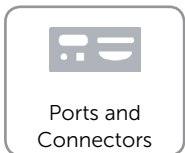
Dimensions and Weight



System Information



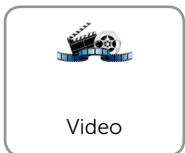
Memory



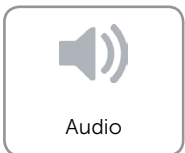
Ports and Connectors



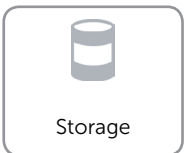
Communications



Video



Audio



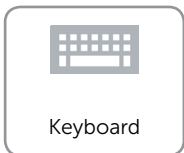
Storage



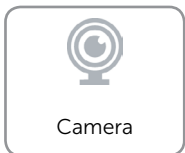
Media-card reader



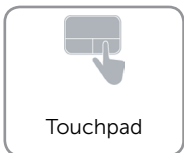
Display



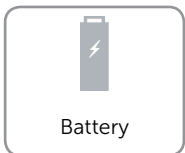
Keyboard



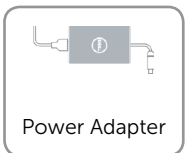
Camera



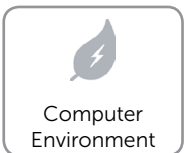
Touchpad



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

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

### 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

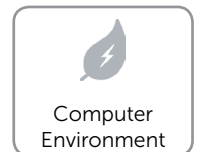
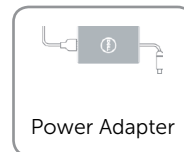
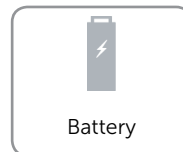
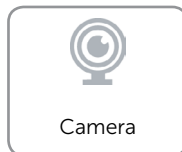
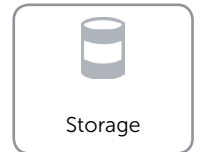
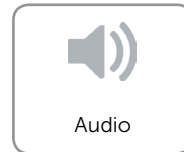
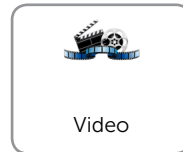
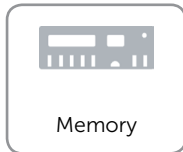
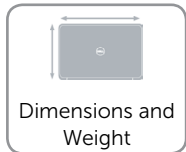
Dual channel DDR3L

### Speed

Up to 1600 MHz

### Configurations supported

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





# Specifications

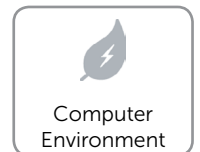
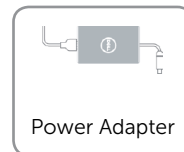
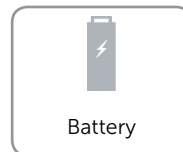
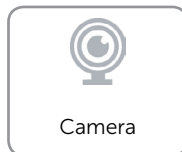
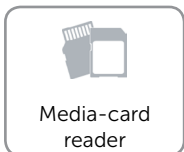
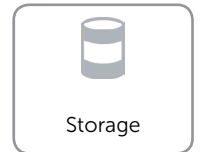
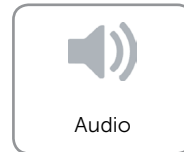
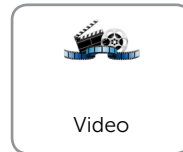
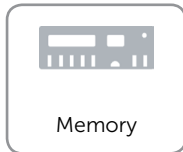
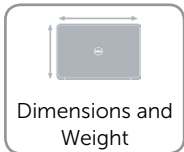
## Ports and Connectors

### 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
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# Specifications

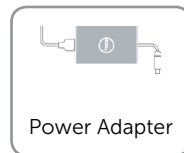
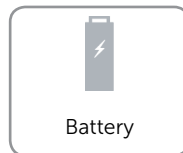
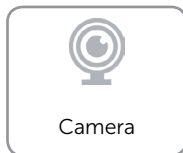
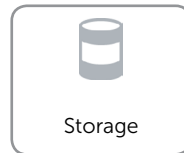
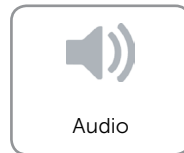
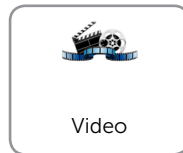
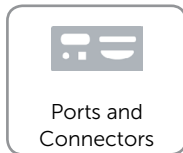
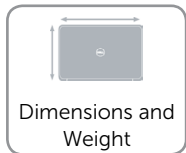
## Communications

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

- AMD Radeon HD 8670M
- AMD Radeon HD 8850M

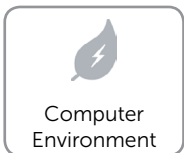
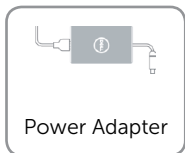
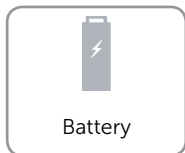
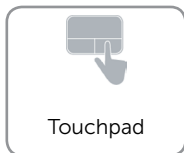
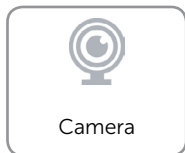
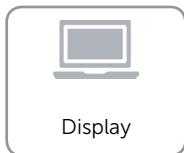
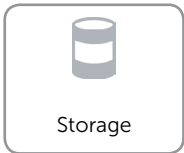
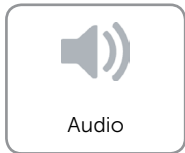
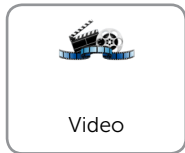
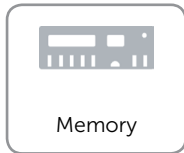
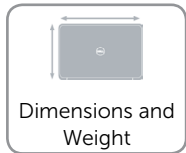
### Memory:

Integrated

Shared system memory

Discrete

Up to 2 GB

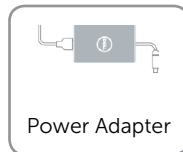
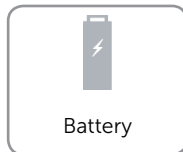
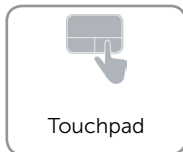
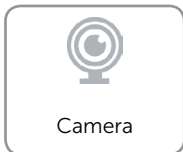
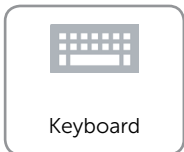
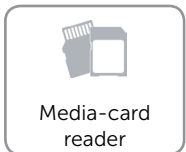
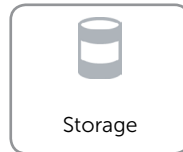
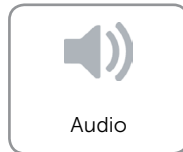
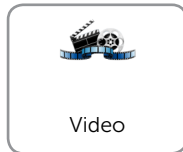
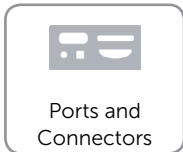
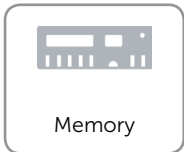
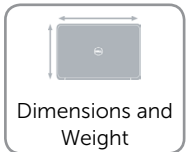




# Specifications

## 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

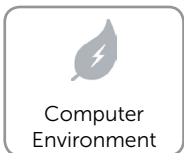
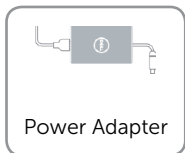
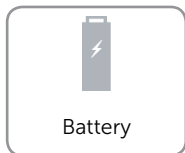
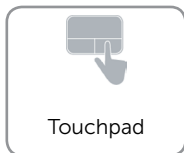
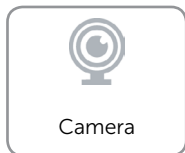
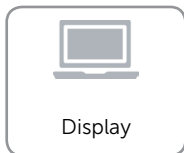
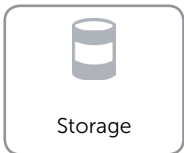
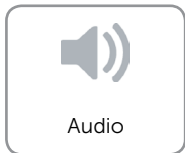
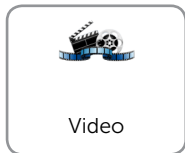
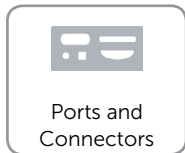
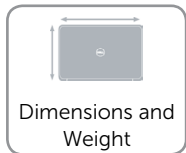




# Specifications

## 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>

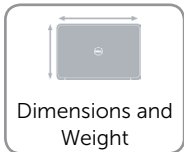




# Specifications

## Media-card reader

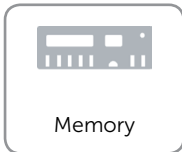
Type	One 8-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• Secure Digital (SD) memory card</li><li>• SD High-Capacity (SDHC) card</li><li>• Secure-Digital Extended Capacity (SDXC) card with Ultra High Speed (UHS)</li><li>• Memory Stick</li><li>• Memory Stick PRO</li><li>• Memory Stick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



Dimensions and Weight



System Information



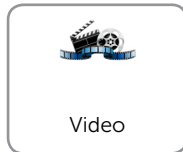
Memory



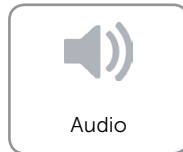
Ports and Connectors



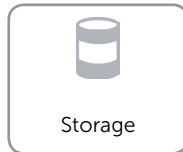
Communications



Video



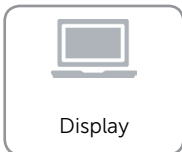
Audio



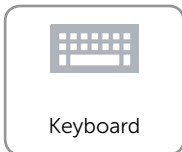
Storage



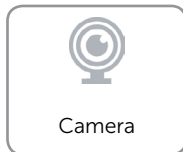
Media-card reader



Display



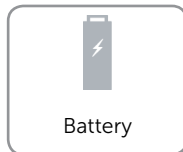
Keyboard



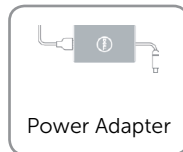
Camera



Touchpad



Battery



Power Adapter



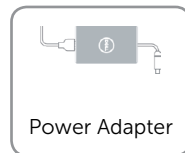
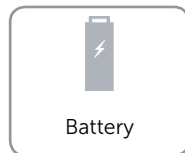
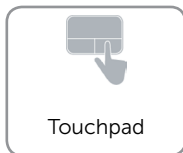
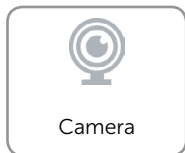
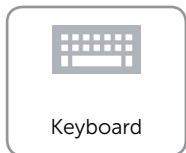
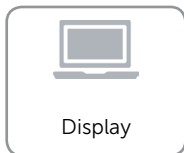
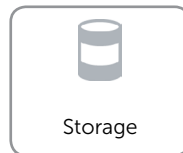
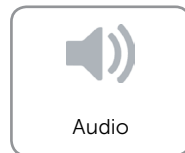
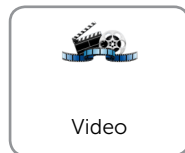
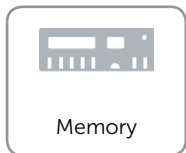
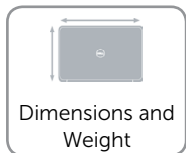
Computer Environment



# 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.



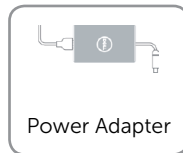
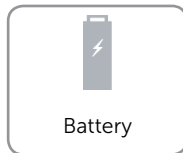
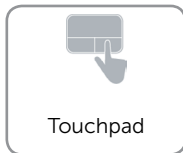
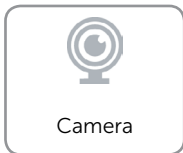
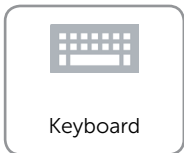
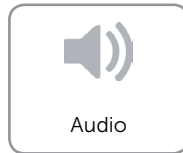
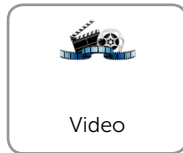
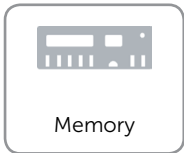
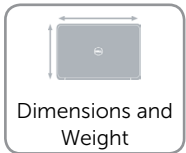




# Specifications

## 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

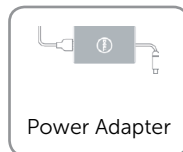
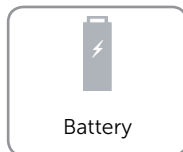
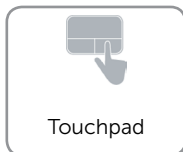
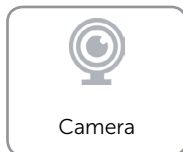
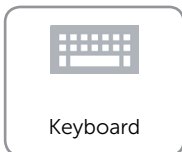
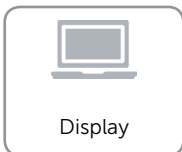
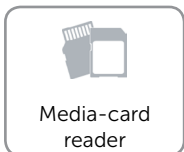
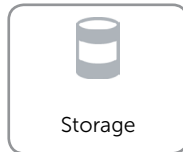
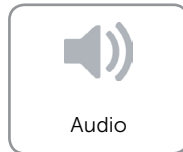
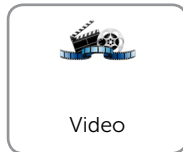
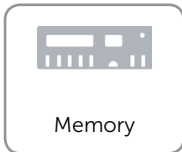
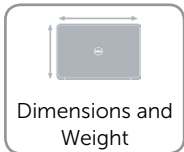
## Camera

### Resolution:

Still image 0.92 megapixel

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

Diagonal viewing angle 74 degrees





# Specifications

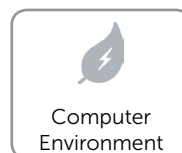
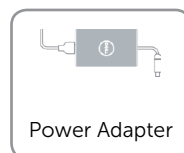
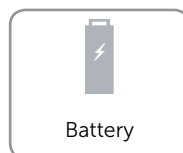
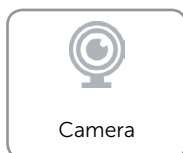
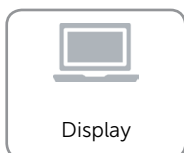
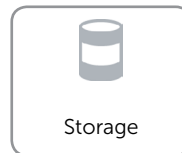
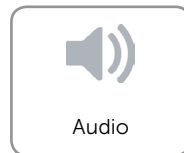
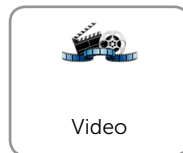
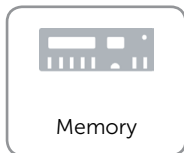
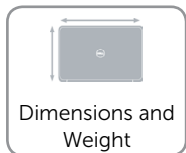
## Touchpad

### Resolution:

Horizontal	1261 dpi
Vertical	1810 dpi

### Dimensions:

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

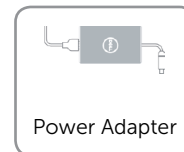
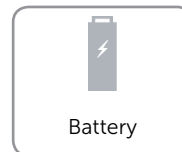
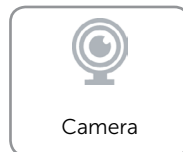
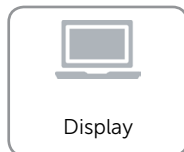
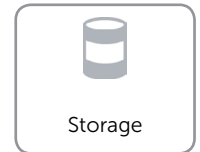
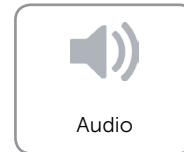
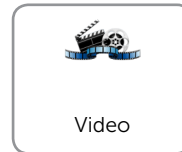
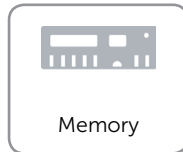
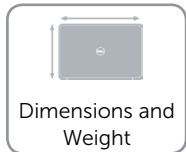




# Specifications

## 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	

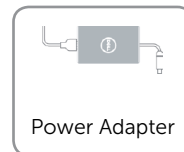
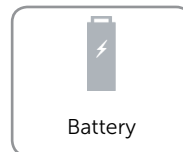
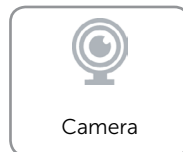
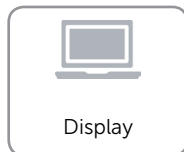
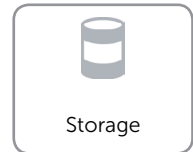
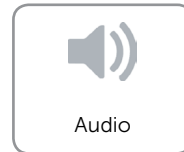
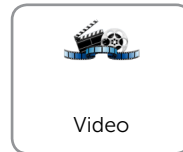
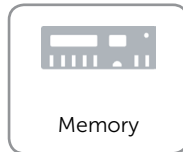
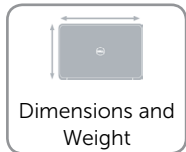




# Specifications

## 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

