



Inspiron 15



[Views](#)

[Specifications](#)

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2014 - 03 Rev. A00

Regulatory model: P28F | Type: P28F005

Computer model: Inspiron 15-3531

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 and battery-status light

Indicates the power and battery status of the computer.

- Solid white: Power adapter is connected and the battery is fully charged.
- Off:
 - Computer is running on battery and the battery has more than 5% charge.
 - Computer is turned off, in sleep mode, or hibernate mode and the battery is not being charged.
- Solid yellow: Computer is running on battery and the battery has less than 5% charge.

2 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 USB 2.0 ports (2)

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

4 Headset port

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



Front



Left



Right



Base



Display

Right



1 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 10 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.

2 Left-click button

Press to left-click.

3 Touchpad

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

4 Right-click button

Press to right-click.



Display



Front



Left



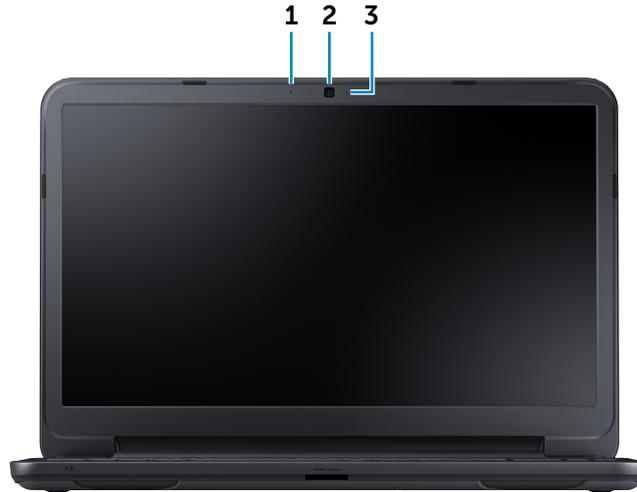
Right



Base



Display



1 Microphone

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

2 Camera

Allows you to video chat, capture photos, and record videos.

3 Camera-status light

Turns on when the camera is in use.

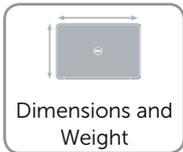


Specifications

Dimensions and Weight

| | |
|------------------|-------------------|
| Height | 25.3 mm (1 in) |
| Width | 376 mm (14.80 in) |
| Depth | 259 mm (10.20 in) |
| Weight (maximum) | 2.15 kg (4.70 lb) |

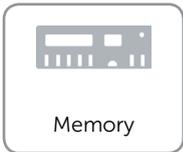
NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and Weight



System Information



Memory



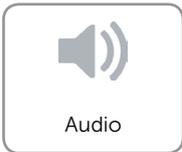
Ports and Connectors



Communications



Video



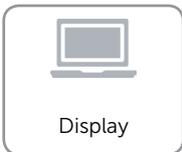
Audio



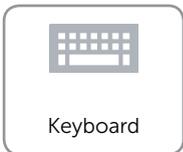
Storage



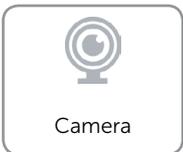
Media-Card Reader



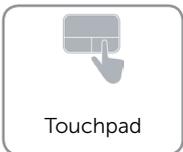
Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



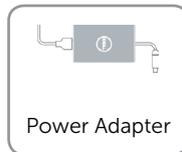
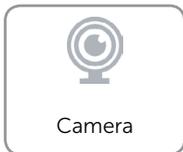
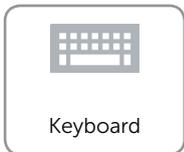
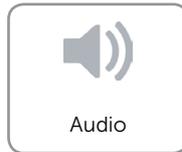
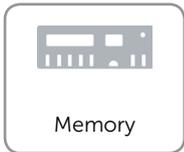
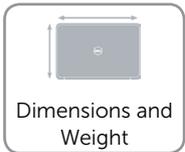
Computer Environment



Specifications

System Information

| | |
|----------------|-------------------------------------------------------------------------------------------------------------|
| Computer model | Inspiron 15-3531 |
| Processor | <ul style="list-style-type: none">• Intel Celeron Dual Core• Intel Pentium Quad Core |
| Chipset | Integrated in processor |

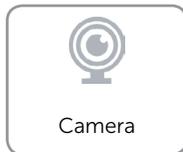
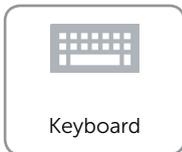
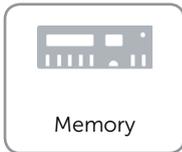
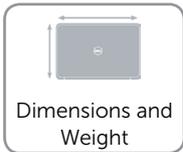




Specifications

Memory

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Slot | One SODIMM slot |
| Type | DDR3L |
| Speed | Up to 1600 MHz NOTE: The processor installed on your computer allows the memory to run only at 1333 MHz speed. |
| Configurations supported | 4 GB |





Specifications

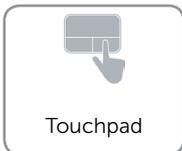
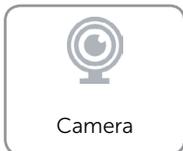
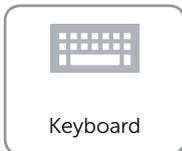
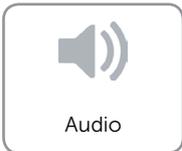
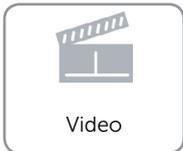
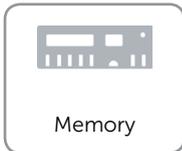
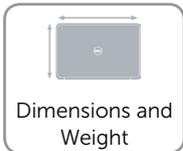
Ports and Connectors

External:

- | | |
|-------------|--------------------------------------------------------------------------------------------|
| USB | Two USB 2.0 ports |
| Audio/Video | <ul style="list-style-type: none">• One headset port• One HDMI port |

Internal:

- | | |
|-----------|----------------------------------|
| Mini Card | One half mini-card slot for WLAN |
|-----------|----------------------------------|



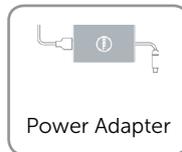
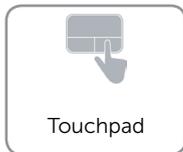
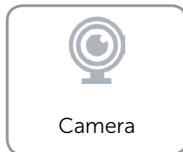
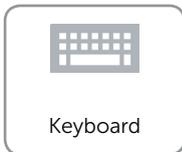
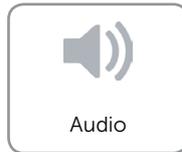
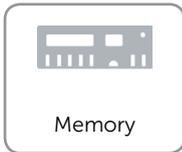
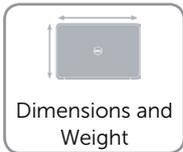


Specifications

Communications

Wireless

Wi-Fi 802.11 b/g/n

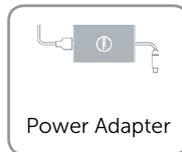
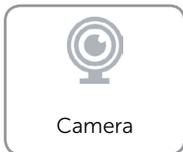
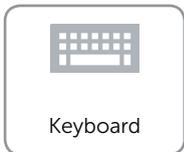
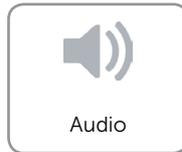
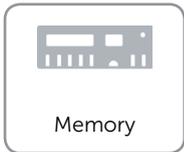
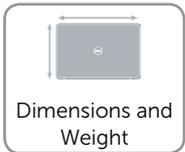




Specifications

Video

| | |
|------------|----------------------|
| Controller | Intel HD Graphics |
| Memory | Shared system memory |

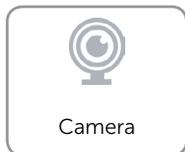
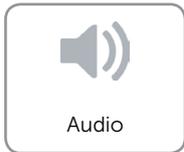
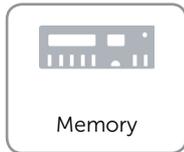
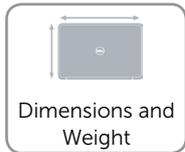




Specifications

Audio

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Controller | Realtek ALC3223 with Waves MaxxAudio |
| Speakers | Two |
| Speaker output: | |
| Average | 2 W |
| Peak | 2.5 W |
| Microphone | Single digital microphone in the camera assembly |
| Volume controls | Program menus and keyboard media-control keys. To learn about your computer keyboard shortcut keys, see the <i>Quick Start Guide</i> at dell.com/support . |





Specifications

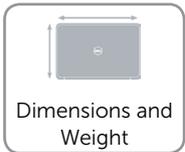
Storage

Interface

- SATA 1.5 Gbps
- SATA 3 Gbps

Hard drive

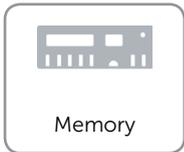
One 2.5-inch drive (supports Intel Smart Response Technology)



Dimensions and Weight



System Information



Memory



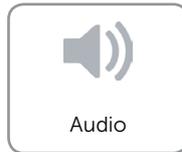
Ports and Connectors



Communications



Video



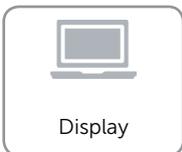
Audio



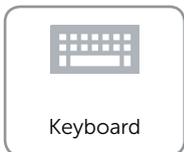
Storage



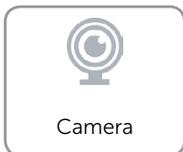
Media-Card Reader



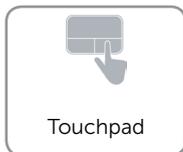
Display



Keyboard



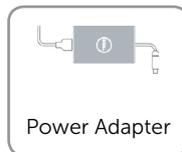
Camera



Touchpad



Battery



Power Adapter



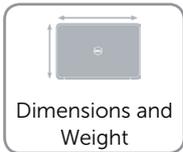
Computer Environment



Specifications

Media-Card Reader

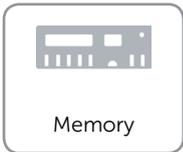
| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Type | One 3-in-1 slot |
| Cards supported | <ul style="list-style-type: none">• SD card• SD High Capacity (SDHC) card• Memory Stick (MS) Pro |



Dimensions and Weight



System Information



Memory



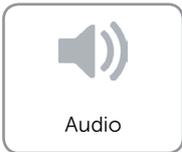
Ports and Connectors



Communications



Video



Audio



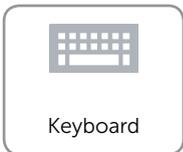
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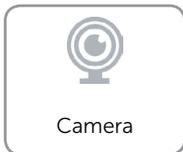
Media-Card Reader



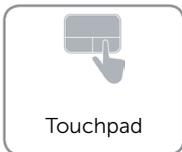
Display



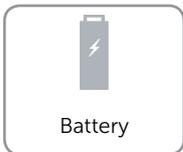
Keyboard



Camera



Touchpad



Battery



Power Adapter



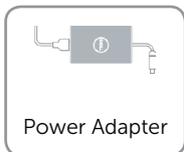
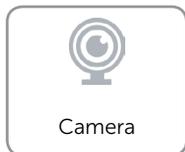
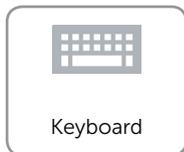
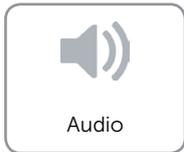
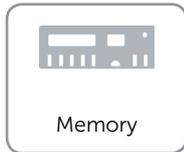
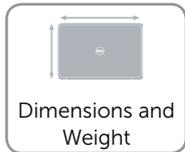
Computer Environment



Specifications

Display

| | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type | 15.6-inch HD |
| Resolution (maximum) | 1366 x 768 |
| Dimensions: | |
| Height | 224.30 mm (8.83 in) |
| Width | 360 mm (14.17 in) |
| Diagonal | 396.24 mm (15.60 in) |
| Refresh rate | 60 Hz |
| Operating angle | 0 degree (closed) to 140 degrees |
| Pixel pitch | 0.252 mm |
| Controls | Brightness can be controlled using keyboard shortcut keys. To learn about your computer keyboard shortcut keys, see the <i>Quick Start Guide</i> at dell.com/support . |

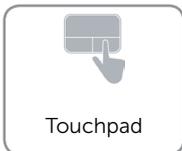
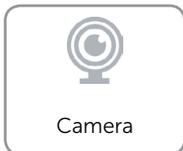
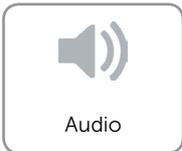
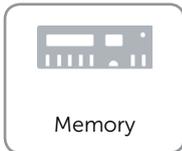
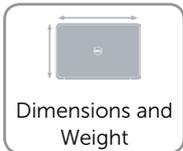




Specifications

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





Specifications

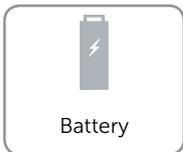
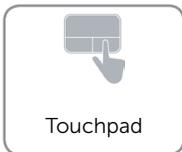
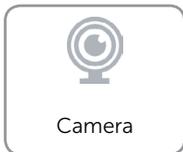
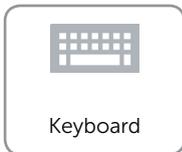
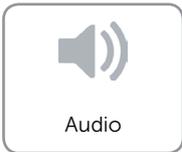
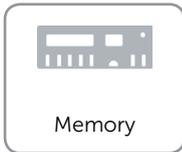
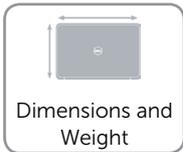
Camera

Resolution:

Still image 0.92 megapixels

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

Diagonal viewing angle 74 degrees





Specifications

Touchpad

Resolution:

| | |
|------------|----------|
| Horizontal | 1560 dpi |
| Vertical | 2553 dpi |

Dimensions:

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



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



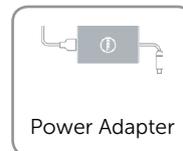
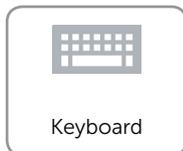
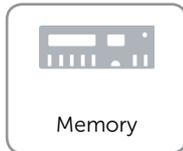
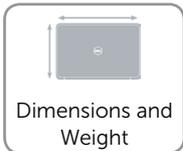
Computer Environment



Specifications

Battery

| | |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Type | 4-cell "smart" lithium ion (40 WHr) |
| Dimensions: | |
| Height | 20 mm (0.79 in) |
| Width | 272.40 mm (10.72 in) |
| Depth | 49.30 mm (1.94 in) |
| Weight | 0.26 kg (0.57 lb) |
| Voltage | 14.80 VDC |
| Charging time when the computer is off (approximate) | 4 hours |
| Operating time | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. |
| Life span (approximate) | 300 discharge/charge cycles |
| Temperature range: | |
| Operating | 0°C to 35°C (32°F to 95°F) |
| Storage | -40°C to 65°C (-40°F to 149°F) |
| Coin-cell battery | CR-2032 |

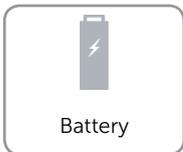
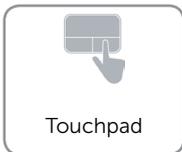
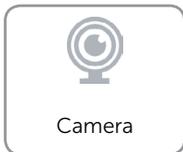
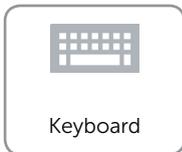
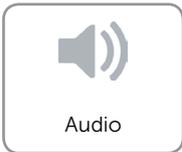
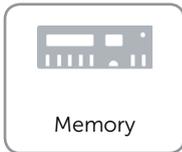
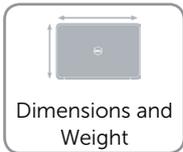




Specifications

Power Adapter

| | |
|----------------------|--------------------------------|
| Type | 65 W |
| Input voltage | 100 VAC–240 VAC |
| Input frequency | 50 Hz–60 Hz |
| Input current | 1.50 A/1.60 A/1.70 A/2.50 A |
| Output current | 3.34 A |
| Rated output voltage | 19.50 VDC |
| Temperature range: | |
| Operating | 0°C to 40°C (32°F to 104°F) |
| Storage | –40°C to 70°C (–40°F to 158°F) |





Specifications

Computer Environment

| | | |
|-----------------------------|---------------------------------------------|-----------------------------------------------|
| Airborne contaminant level | G1 as defined by ISA-S71.04-1985 | |
| | Operating | Storage |
| 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) | -15.20 m to 3048 m (-50 ft to 10,000 ft) | -15.20 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.

