



# INSPIRON 14/14R

## Specifications

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2013 - 10 Rev. A00

Regulatory model: P37G | Type: P37G001/P37G003

Computer model: Inspiron 3421/5421/3437/5437

## Dimensions

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Height (front and back):

Inspiron 3421 17.78 mm to 25.35 mm (0.70 inch to 1.00 inch)

Inspiron 5421 17.48 mm to 25.00 mm (0.69 inch to 0.98 inch)

Inspiron 3437 25.35 mm (1.00 inch)

Inspiron 5437 25.00 mm (0.98 inch)

Width 346.00 mm (13.62 inches)

Depth 245.00 mm (9.65 inches)

Weight (with 4-cell battery):

Inspiron 3421/3437 1.98 kg (4.37 lb)

Inspiron 5421/5437 1.95 kg (4.30 lb)

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

## System Information

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Computer Model Inspiron 3437/5437/3421/5421

	3437/5437	3421/5421
Processor	<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>	<ul style="list-style-type: none"><li>Intel Celeron Dual Core (3<sup>rd</sup> generation)</li><li>Intel Pentium Dual Core (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>
L1 cache	64 KB	
L2 cache	256 KB	
L3 cache	Up to 4 MB	
System chipset	Integrated in processor	Intel HM76 chipset

## Memory

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Connectors Two internally-accessible SODIMM sockets

## Memory

Type:

Inspiron 3421/5421 Dual-channel DDR3

Inspiron 3437/5437 Dual-channel DDR3L

Speed Up to 1600 MHz

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

## Ports and Connectors

Audio One headphone/microphone combo (headset) port

HDMI One HDMI port

Network adapter One RJ45 port

USB

- One USB 2.0 port (supports Windows debugging)
- Two USB 3.0 ports

Mini-card (internal) One half-size mini-card slot for Wi-Fi+BT combo

## Communications

Network adapter 10/100 Ethernet LAN on system board

Wireless

- Wi-Fi b/g/n
- Wi-Di (optional)
- Bluetooth 4.0

## Video

	Inspiron 3421/5421	Inspiron 3437/5437
Controller:		
Integrated	<ul style="list-style-type: none"><li>• Intel HD graphics 3000</li><li>• Intel HD graphics 4000</li></ul>	Intel HD graphics 4200/4400/5100 series
Discrete	<ul style="list-style-type: none"><li>• NVIDIA GeForce GT625M</li><li>• NVIDIA GeForce GT640M</li></ul>	<ul style="list-style-type: none"><li>• NVIDIA GeForce GT720M</li><li>• NVIDIA GeForce GT740M</li><li>• NVIDIA GeForce GT750M</li></ul>
Memory:		
Integrated		System shared memory
Discrete		Up to 2 GB

## Audio

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Controller	Realtek ALC3223
Speaker	2 x 2 W
Internal microphone support	Single digital microphone in camera assembly
Volume controls	Program menus and keyboard media function keys

## Storage

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Type	SATA
Interface	<ul style="list-style-type: none"><li>• SATA 1.0 (1.5 Gb/s)</li><li>• SATA 2.0 (3 Gb/s)</li><li>• SATA 3.0 (6 Gb/s)</li></ul>
Hard drives	One 2.5-inch SATA drive
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>

## Media-card reader

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Type	One 8-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD card</li><li>• SD Hi-Capacity (SDHC) card</li><li>• SD 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>

## Display

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Type	<ul style="list-style-type: none"><li>• 14.0-inch HD WLED with TrueLife (1366 x 768)</li><li>• 14.0-inch HD WLED with TrueLife (1366 x 768) - Touchscreen</li><li>• 14.0-inch anti-glare HD+ WLED with TrueLife (1600 x 900)</li></ul>
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### Dimensions:

Height	173.95 mm (6.85 inches)
Width	309.40 mm (12.18 inches)
Diagonal	355.60 mm (14.00 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Horizontal viewing angle	40 degrees/40 degrees
Vertical viewing angle (H/L)	10 degrees/30 degrees
Pixel pitch	0.2265 mm

## Keyboard

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Type	Chiclet keyboard
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## Camera

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### Resolution:

Still Image	0.92 megapixels
Video (maximum)	1280 x 720 pixels (HD)
Diagonal viewing angle	60 degrees

## Touchpad

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### Resolution:

Horizontal	1261 dpi
Vertical	1810 dpi

### Dimensions:

Height	56.00 mm (2.20 inches)
Width	100.00 mm (3.94 inches)

## Battery

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Type	<ul style="list-style-type: none"><li>• 4-cell "smart" lithium ion (40 WHr)</li><li>• 6-cell "smart" lithium ion (65 WHr)</li></ul>	
Dimensions:	<b>4-cell</b>	<b>6-cell</b>
Height	20.00 mm (0.79 inch)	35.40 mm (1.39 inches)
Width	272.40 mm (10.72 inches)	272.40 mm (10.72 inches)
Depth	46.30 mm (1.82 inches)	46.30 mm (1.82 inches)
Weight	0.26 kg (0.57 lb)	0.36 kg (0.79 lb)
Voltage	14.80 VDC	11.10 VDC
Operating time	Battery 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	

## Power Adapter

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Type	<ul style="list-style-type: none"><li>• 65 W</li><li>• 90 W</li></ul>
Input voltage	100-240 VAC
Input current (maximum)	1.50 A/1.60 A/1.70 A
Input frequency	50 Hz-60 Hz
Output current (continuous)	3.34 A/4.62 A
Rated output voltage	19.50 +/- 1 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)

## Computer Environment

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### Temperature range:

Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	-40 °C to 65 °C (-40 °F to 149 °F)

### Relative humidity (maximum):

Operating	10 % to 90 % (non-condensing)
Storage	10 % to 95 % (non-condensing)

### Maximum vibration (Measured using a random vibration spectrum that simulates user environment):

Operating	0.66 GRMS
Storage	1.3 GRMS

### Maximum shock (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):

Operating	110 G
Storage	160 G

### Altitude (maximum):

Operating	-15.2 m to 3048 m (-50 ft to 10,000 ft)
Storage	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

Airborne contaminant level	G1 as defined by ISA-S71.04-1985
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