



Specifications

© 2013 Dell Inc.

Trademarks used in this text: Dell™, the DELL logo, and Inspiron™ are trademarks of Dell Inc. Intel® is a registered trademark and Core™ is a trademark of Intel Corporation in the U.S. and other countries. Bluetooth® is a registered trademark owned by Bluetooth SIG, Inc. and is used by Dell under license.

2013 - 10 Rev. A00

Regulatory model: P42G | Type: P42G001

Computer model: Inspiron 7437

Dimensions and Weight

Height:

Touch 0.60 in (15.30 mm)

Non-touch 0.60 in (15.30 mm)

Width 13.58 in (345 mm)

Depth 9.45 in (240 mm)

Weight (minimum):

Touch 4.39 lb (1.99 kg)

Non-touch 3.88 lb (1.76 kg)

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

System Information

Computer model Inspiron 7437

Processor

- Intel Core i3 ULV (4th generation)
- Intel Core i5 ULV (4th generation)
- Intel Core i7 ULV (4th generation)

Chipset Integrated in processor

Memory

Type Dual-channel DDR3L

Speed Up to 1600 MHz

Configurations supported 4 GB, 6 GB, and 8 GB

NOTE: The memory on your computer is integrated on the system board.

Communications

Wireless

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

Ports and Connectors

External:

- | | |
|-----|---|
| USB | <ul style="list-style-type: none">• One USB 3.0 port• One USB 3.0 port with PowerShare |
|-----|---|

HDMI port	One HDMI port
-----------	---------------

Audio	One headset port
-------	------------------

Internal:

- | | |
|-----------|--|
| Mini card | <ul style="list-style-type: none">• One half mini card combo slot for WLAN, Bluetooth, and Wireless Display (optional)• One full mini card slot for mSATA |
|-----------|--|

Video

Controller	Intel HD Graphics 4400
------------	------------------------

Memory	Shared system memory
--------	----------------------

Audio

Controller	ALC3223
------------	---------

Speaker	Two
---------	-----

Speaker output:

Average	1-watt
---------	--------

Peak	1.5-watt
------	----------

Internal microphone support	Digital array-microphones (dual)
-----------------------------	----------------------------------

Volume controls	Program menus and keyboard shortcut keys
-----------------	--

Storage

Interface	SATA 6 Gbps
-----------	-------------

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

Drive supported	One mSATA SSD (mini-card)
-----------------	---------------------------

Media-Card reader

Type	One 3-in-1 slot
------	-----------------

Cards supported	<ul style="list-style-type: none">• SD card• SD High-Capacity (SDHC) card• SD Extended Capacity (SDXC) card with Ultra High Speed (UHS)
-----------------	---

Display

Type:

Non-touch	14-inch HD
Touch	<ul style="list-style-type: none">• 14-inch HD• 14-inch full HD

Resolution (maximum):

HD	1366 x 768
Full HD	1920 x 1080

Dimensions:

Height	8.09 in (205.60 mm)
Width	12.63 in (320.90 mm)
Diagonal	14 in (355.60 mm)

Refresh rate

60 Hz

Operating angle

0 degrees (closed) to 135 degrees

Pixel pitch:

HD	0.2265 mm
Full HD	0.161 mm

Controls

Brightness can be controlled using shortcut keys

Keyboard

Type

Backlit keyboard

Camera

Resolution:

Still image	0.92 megapixels
Video (maximum)	1280 x 720 (HD) at 30 fps

Diagonal viewing angle

74 degrees

Touchpad

Resolution:

Horizontal	1711 dpi
Vertical	1211 dpi

Dimensions:

Width	4.13 in (105 mm)
Height	2.36 in (60 mm)

Battery

Type	4-cell
Dimensions:	
Width	6.30 in (159.90 mm)
Depth	13.39 in (340 mm)
Height	0.16 in (4.18 mm)
Weight	0.79 lb (0.36 kg)
Voltage	7.4 VDC
Charging time	4 hours when computer is off.
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

Type	45 W
Input voltage	100 VAC–240 VAC
Input current (maximum)	1.30 A
Input frequency	50 Hz–60 Hz
Output current	2.31 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Computer Environment

Temperature range:

Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Relative humidity (maximum):

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

Vibration (maximum):

Measured using a random vibration spectrum that simulates user environment

Operating	0.66 GRMS
Storage	1.30 GRMS

Shock (maximum):

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