



MARKETING NAME: Inspiron 14, Inspiron 3421, Inspiron 14 - 3421
REGULATORY MODEL: P37G
REGULATORY TYPE: P37G001
EFFECTIVE DATE: 11/13/2012
EMC EMISSIONS CLASS: B

Dell Inc.
www.dell.com

TABLE OF CONTENTS

I. GLOBAL ENVIRONMENTAL INFORMATION .....2
II. POWER CORDS AND USER DOCUMENTATION .....2
III. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS .....2
IV. TRADE (IMPORT/EXPORT) COMPLIANCE DATA .....2
V. MATERIAL SAFETY DATA SHEET (MSDS).....2
VI. SYSTEM DIMENSION AND WEIGHT .....3
VII. PERFORMANCE DATA.....3
VIII. PRODUCT MATERIALS INFORMATION.....4
IX. PACKAGING .....5
X. BATTERIES .....5
XI. DESIGN FOR ENVIRONMENT .....6
XIII. RECYCLING/ END-OF-LIFE SERVICE INFORMATION .....6

STATEMENT OF COMPLIANCE

This product has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the product is marketed. The product is affixed with regulatory marking and text as necessary for the country/agency. Generally, Information Technology Equipment (ITE) product compliance is based on IEC and CISPR standards and their national equivalent such as Product Safety, IEC 60950-1 and European Norm EN 60950-1 or EMC, CISPR 22/CISPR 24 and EN 55022/55024. Dell products have been verified to comply with the EU RoHS Directive 2002/95/EC. Dell products do not contain any of the restricted substances in concentrations and applications not permitted by the RoHS Directive.

EMC Emissions Class refers to one of the following use environments:

EMC Class B products are intended for use in residential/domestic environments but may also be used in non-residential/non-domestic environments.

EMC Class A products are intended for use in non-residential/non-domestic environments. Class A products may also be utilized in residential/domestic environments but may cause interference and require the user to take adequate corrective measures.

For Product Safety and EMC compliance, this product has been assigned a unique regulatory model and regulatory type that is imprinted on the product labeling to provide traceability to the regulatory approvals noted on this datasheet. This datasheet applies to any product that utilizes the assigned regulatory model and type including marketing names other than those listed on this datasheet.

Compliance documentation, such as certification or Declaration of Compliance for the product is available upon request to regulatory\_compliance@dell.com . Please include product identifiers such as marketing name, regulatory module, regulatory type and country that compliance information is needed in request.



## I. GLOBAL ENVIRONMENTAL INFORMATION

Environmental		
Country	Approval	Compliance
Global	Energy Star (Configuration Dependent)	Computers , Version 5.2
Varies by country – see link below	EPEAT (Configuration Dependent)	Bronze
South Korea	e-Standby	Yes
South Korea	Eco-label	Yes
Mexico	Energy Labeling Law	Yes
India	Bee Star	Yes

### Adapter Certification and Declaration

Country	Authority/Mark
Australia / New Zealand	MEPS for External Power Supplies
South Korea	South Korea MEPS
United States	US DOE
Canada	NRCan
EU	ErP Lot 7

For more details concerning environmental information, click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## II. POWER CORDS AND USER DOCUMENTATION

Dell products are provided with the power cord and user documentation suitable for the intended country of delivery. Products that are relocated to other countries should use nationally certified power cords and plugs to ensure safe operation of the product. Contact Dell to determine if alternate power cords or user documentation in other languages is available for your market.

## III. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS

Dell Inc.  
 Department: Global Regulations and Standards  
 MS: PS4-30  
 Round Rock, Texas 78682, USA  
[Regulatory\\_Compliance@Dell.com](mailto:Regulatory_Compliance@Dell.com)

## IV. TRADE (IMPORT/EXPORT) COMPLIANCE DATA

For any questions related to importing & exporting classification of Dell products, please obtain information from the following link: [www.dell.com/import\\_export\\_compliance](http://www.dell.com/import_export_compliance) or send request to [WW\\_Export\\_Compliance@dell.com](mailto:WW_Export_Compliance@dell.com)

## V. MATERIAL SAFETY DATA SHEET (MSDS)

For any questions related to products MSDS refer to information on [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).



## VI. SYSTEM DIMENSION AND WEIGHT

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg	Optimal Resolution (Display Only)
245mm	346mm	30.25mm	2.13 Kg (depending upon installed options)	N/A

## VII. PERFORMANCE DATA

### System Configuration

The Energy Consumption and Declared Noise Emissions data is based on a configuration including:

<b>Processor</b>	Intel i7-3517U, 1.9GHz, 2C
<b>Hard Drive(s)</b>	320GB, 7200rpm
<b>Memory</b>	8GB
<b>Video Card</b>	NVIDIA GeForce GT 640M LE
<b>RMSD / Optical Drive</b>	DVD+/-RW
<b>Power Supply (Internal or External)</b>	External
<b>Power Supply Size in Watts</b>	90W
<b>Power Supply Efficiency Level</b>	V

### Client Computers:

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
<b>*Maximum</b>	52.89	<b>180.88</b>	The system is running programs to maximize the power consumption.
<b>Idle Mode</b>	5.74	<b>19.63</b>	As specified EPA Energy Star Computer mode.
<b>S3 "Sleep" Mode</b>	0.84	<b>2.87</b>	Suspend-to-RAM (low-power/sleep mode)
<b>Off</b>	0.47	<b>1.61</b>	System is turned off but still connected to its AC power source. If the product is a computer, the Low Power Mode feature is enabled via BIOS if available.
<b>External Power Supply "No-Load" (if applicable)</b>	0.05	<b>0.18</b>	AC adapter connected to mains with system detached otherwise known as "No-load" condition.

\*Maximum **Energy Consumption** results are based solely upon the laboratory testing of the **System Configuration** listed above.

Energy consumption is tested at 230 Volts / 50 Hz. Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour. BTU is calculated based upon the wattage reading taken in the given mode. To convert Watts to BTU, (1 Watt = 3.42 BTU)

If applicable, iAMT increases the power consumption even during the off state. The power measurements reported above are valid only if the iAMT Management Engine (ME) is set to "ON" in S0 state only (S0 is simply power-on, non-sleep, working state).

ErP compliance is tied to the CE mark.

For more details click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)



Declared Noise Emissions in accordance with ISO 9296 (tested in accordance with ISO 7779)

Computers

Service Level	Sound Power (LWAd, bels) (1 bel=10 decibels, re 10-12 Watts)	Sound Pressure Operator Position (LpAm, decibels) (re 2x10 <sup>-5</sup> Pa)	Sound Pressure Bystander Position (LpAm, decibels) (re 2x10 <sup>-5</sup> Pa)
Hard Drive Accessing	UMA: 2.8 DIS:2.8	UMA:22.2 DIS:20.4	UMA:16.9 DIS:16.6
Optical Drive Accessing	UMA: 4.8 DIS:4.8	UMA:40.1 DIS:41.3	UMA:34.8 DIS:34.6
Idle	UMA:2.7 DIS:2.6	UMA:18.9 DIS:17.9	UMA:16.0 DIS:15.8
CPU activated (at a utilization of 50%) ECMA-74	UMA:2.8 DIS:2.8	UMA:22.1 DIS:20.3	UMA:17.0 DIS:16.6

## VIII. PRODUCT MATERIALS INFORMATION<sup>1</sup>

Information on Dell's material use is available [here](#).

To review Dell's Restricted Material Guidance document click [here](#).

- The case material is: >PC+ABS<
- This product contains 0% post-consumer recycled plastic
- Marking of plastic parts greater than 25 grams are done in accordance with ISO 11469 (see below)

### Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	TBBPA

<sup>1</sup> **Waste Handling.** Local regulations should be observed when disposing of this product due to the presence of the materials and substances as listed above.



**Flame Retardants Used in Mechanical Plastic Parts > 25 grams**

Resin Material Name	Marking per ISO 11469:2000, 11469:1996	Flame Retardant Marking per ISO 1043-4 (i.e. FR(16), FR(40), etc.)	Flame Retardant (i.e. TBBPA, triaryl phosphate ester, etc.)	List applicable R-Phrase(s) or Hazard Statement(s) per EU Directive 67/548/EEG or 1272/2008
SABIC, C7230P	>PC+ABS-TALC-FR(40)<	FR(40)	Organo Phosphate	N/A
SABIC, CM6140	>PC+ABS-(ED+TD)8FR(40)<	FR(40)	Organo Phosphate	N/A
MITSUBISHI, TMB1615	>PC+ABS-FR(40)<	FR(40)	Organo Phosphate	N/A
MITSUBISHI, MB1700	>PC+ABS-FR(40)<	FR(40)	Organo Phosphate	N/A
BAYER, FR3021	>PC+ABS TD15 FR(40)<	FR(40)	Organo Phosphate	N/A
BAYER, FR3002	>PC+ABS-FR(40)<	FR(40)	Organo Phosphate	N/A

Mercury Information

Number of bulbs	Average per bulb
0	0 mg

For more information Dell's compliance to various materials restrictions regulations and list of substance prohibited from use please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## IX. PACKAGING

Information on Dell's sustainable packaging effort available [here](#).

Additional materials restricted in Packaging as per Dell's Restricted Material Guidance document found [here](#).

Packaging Materials	Total Weight of each Material type, (kg)	% of Post-Consumer Recycled Content (PCR)		
		APJ region	DAO region	EMEA region
Corrugated Fiberboard	0.542	100%	100%	100%
EPE	0.087	>80%	>80%	>80%
HDPE (including thermoformed)	0.002	0%	0%	0%

For more details on packaging please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## X. BATTERIES

Below is a listing of batteries that could be present in the product:

Battery Description – Batteries	Battery Type	Battery Weight (kg)
CR-2032 coin cell	Lithium	Max: 0.0032
Rechargeable Battery 4 cell	Lithium Ion	Max: 0.2410
Rechargeable Battery 6 cell	Lithium Ion	Max: 0.3400



For more details on batteries including MSDS please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## **XI. DESIGN FOR ENVIRONMENT**

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing.

For more information on product Recyclability please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## **XIII. RECYCLING/ END-OF-LIFE SERVICE INFORMATION**

Take back and recycling services are offered for this product in certain countries. If you want to dispose of system components, contact Dell for instructions by emailing [recycling\\_emea@dell.com](mailto:recycling_emea@dell.com) or visit [www.dell.com/recyclingworldwide](http://www.dell.com/recyclingworldwide) and select the relevant country.