



MARKETING NAME: Vostro 470
REGULATORY MODEL: D10M
REGULATORY TYPE: D10M002
EFFECTIVE DATE: April 19th, 2012
EMC EMISSIONS CLASS: B

Dell Inc.
www.dell.com

TABLE OF CONTENTS

I. GLOBAL ENVIRONMENTAL INFORMATION2
II. NFPA 99 CONFORMITY2
III. POWER CORDS AND USER DOCUMENTATION.....2
IV. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS.....2
V. TRADE (IMPORT/EXPORT) COMPLIANCE DATA.....2
VI. MATERIAL SAFETY DATA SHEET (MSDS)2
VII. SYSTEM DIMENSION AND WEIGHT3
VIII. PERFORMANCE DATA.....3
IX. PRODUCT MATERIALS INFORMATION4
X. PACKAGING.....5
XI. BATTERIES5
XII. DESIGN FOR ENVIRONMENT5
XIII. RECYCLING/ END-OF-LIFE SERVICE INFORMATION5

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

Country	Environmental	
	Approval	Compliance
China	CECP	CQC12701069080

For more details concerning environmental information, click www.dell.com/environmental_information

II. NFPA 99 CONFORMITY

Select Dell systems have been tested and found to comply with the chassis leakage current requirements as defined by clause 8.4.1.3.5 of National Fire Protection Association standard NFPA 99:2005 leakage current equal to or less than 300uA @ 127 VAC/60 Hz. To determine if this product model offers the higher leakage current send a request for NFPA 99 Conformity verification 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.

III. 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.

IV. 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

V. 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 or send request to WW_Export_Compliance@dell.com

VI. MATERIAL SAFETY DATA SHEET (MSDS)

For any questions related to products MSDS refer to information on www.dell.com/regulatory_compliance.



VII. SYSTEM DIMENSION AND WEIGHT

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg	Optimal Resolution (Display Only)
445mm	175mm	362.9mm	9.66 – 11.22Kg (depending upon installed options)	

VIII. PERFORMANCE DATA

System Configuration

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

Processor	Ivy Bridge 3.0GHZ
Hard Drive(s)	2TB
Memory	4G
Video Card	nVidia GeForce GT520 1GB
RMSD / Optical Drive	BH30N SATA HH 8X BD-RE
Power Supply (Internal or External)	Internal
Power Supply Size in Watts	460W
Power Supply Efficiency Level	85%

Client Computers:

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
*Maximum	97.20	332.42	The system is running programs to maximize the power consumption.
Idle Mode	45.65	156.13	As specified EPA Energy Star Computer mode.
S3 "Sleep" Mode	2.10	7.16	Suspend-to-RAM (low-power/sleep mode)
Off	0.33	1.11	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.
External Power Supply "No-Load" (if applicable)	N/A	#VALUE!	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

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 ⁻⁵ Pa)	Sound Pressure Bystander Position (LpAm, decibels) (re 2x10 ⁻⁵ Pa)
Hard Drive Accessing	3.39	2.65	2.52
Optical Drive Accessing	4.86	4.22	3.58
Idle	3.42	2.57	2.50
CPU activated (at a utilization of 50%) ECMA-74	N/A	N/A	N/A

IX. PRODUCT MATERIALS INFORMATION¹

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

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

- The case material is, > Galvanized steel <
- This product contains 10% 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	BFR, CFR

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
ABS	>ABS<	N/A	N/A	N/A
PC+ABS	>PC+ABS<	FR(40)	Organo Phosphate	R43

Mercury Information

Number of bulbs	Average per bulb
0	N/A

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



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

X. 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)
Corrugated Containers<300 spi	0.35	35%
Corrugated Containers>300 spi	1.52	35%
EPE Cushions	0.24	0%

For more details on packaging please click www.dell.com/environmental_information

XI. 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	0.00032(MITSUBISHI)
CR-2032 coin cell	Lithium	0.00029(PANASONIC)

For more details on batteries including MSDS please click www.dell.com/environmental_information

XII. 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

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 or visit www.dell.com/recyclingworldwide and select the relevant country.