



**MARKETING NAME\*:** PowerEdge™ C410x  
**REGULATORY MODEL:** B02S  
**REGULATORY TYPE:** B02S001  
**EFFECTIVE DATE:** May 26, 2011

Dell Inc.  
www.dell.com

**TABLE OF CONTENTS FOR PRODUCT SAFETY, EMC & ENVIRONMENTAL DATASHEET**

**Regulatory**

- I. [Product Safety](#)
- II. [Electromagnetic Compatibility](#)
- III. [Ergonomics, Acoustics, and Hygienics](#)
- IV. [Power Cords and User Documentation](#)
- V. [Datasheet Responsible Party Name and Address](#)
- VI. [Trade Import/Export Compliance Data](#)

**Environmental**

- VII. [System Dimension and Weight](#)
- VIII. [Product Materials Information](#)
- IX. [Packaging](#)
- X. [Batteries](#)
- XI. [Recycling/End-of-Life Service Information](#)
- XII. [Dell Corporate Environmental Information](#)

**I. PRODUCT SAFETY<sup>1</sup>**

The product has been certified and bears the Mark, as applicable, of the Product Safety authorities as indicated below.

Country/Region	Authority or Mark
Canada	SCC
European Union	CE
Germany	TUV
IECEE	IECEE CB
Israel	SII
Mexico	NYCE or NOM
Russia	GOST
Saudi Arabia	KSA ICCP
South Africa	NRCS
Taiwan	BSMI
United States	NRTL

**II. ELECTROMAGNETIC COMPATIBILITY<sup>2</sup>**

The product has been certified and bears the Mark, as applicable, of the EMC authorities as indicated below.

Country/Region	Authority or Mark	Class
Australia / New Zealand	ACMA or C-Tick	Class A
Canada	ICES	Class A
China	CNCA or CCC	Class A
European Union	CE	Class A
Israel	SII	Class A
Japan	VCCI	Class A
Russia	GOST	Class A
South Africa	SABS	Class A
South Korea	KC	Class A
Taiwan	BSMI	Class A
United States	FCC	Class A

\* Notice: This product has been assigned a unique regulatory model and regulatory type that is imprinted on the product shipping invoice and 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. Requests for specific information on product regulatory approvals should reference the assigned product regulatory model and type.

<sup>1</sup> The above-listed Product Safety certifications may vary depending upon the location of the factory and specific product configuration. Certification marks may not be applied on products for countries outside the purchaser's country.

<sup>2</sup> The above-listed EMC certifications may vary depending upon the location of the factory and specific product configuration. Certification marks may not be applied on products for countries outside the purchaser's country.



III. ERGONOMICS, ACOUSTICS AND HYGIENICS<sup>3</sup>

The product has been certified and bears the Mark, as applicable, of the Ergonomics, Acoustics and Hygienics authorities as indicated below.

Country/Region	Authority or Mark
Germany	GS
Russia	GOST

IV. 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.

V. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS

Dell Inc.  
Department: Global Regulations and Standards  
MS: PS4-30  
Round Rock, Texas 78682, USA  
512-338-4400  
[Regulatory\\_Compliance@Dell.com](mailto:Regulatory_Compliance@Dell.com)

VI. TRADE (IMPORT/EXPORT) COMPLIANCE DATA

System US Harmonized Tariff System (USHTS) Number	8471.50.0150
System US Export Control Classification Number (ECCN)	4A994

For additional questions regarding importing & exporting classification of Dell products, please send an e-mail to: [US\\_Export\\_Classification@dell.com](mailto:US_Export_Classification@dell.com)

VII. SYSTEM DIMENSION AND WEIGHT

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg	Optimal Resolution (Display Only)
750mm	440mm	130.5mm	49kg	N/A

<sup>3</sup> The above-listed Ergonomics, Acoustics and Hygienics certifications may vary depending upon the location of the factory and specific product configuration. Certification marks may not be applied on products for countries outside the purchaser's country.



VIII. PRODUCT MATERIALS INFORMATION<sup>4</sup>

Dell has implemented process controls and corrective actions throughout its organization and supply chain to ensure that its chemicals management objectives are met — and that the targeted restricted materials are replaced and alternative materials are developed for future product generations. Process controls that Dell implemented include piece-part supplier declarations and Dell factory and supplier material testing audits.

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

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

Restricted Substances

This Dell product does **NOT** contain any of the following substances (in concentrations exceeding legal threshold limits):

- Asbestos
- Azo dyes/colorants in components that come into direct contact with human skin
- Cadmium and its compounds (except for use in applications exempted by the EU RoHS Directive)
- Ozone Depleting Substances; Class I and Class II CFCs (chlorofluorocarbons) and HCFCs (Hydrofluorocarbons)
- Chloroparaffins, short chained (10-13 carbon chain)
- Chromium VI and its compounds (except for use in applications exempted by the EU RoHS Directive)
- Halogenated dioxins or furans (i.e. polychlorinated dibenzodioxines, polychlorinated dibenzofurans)
- Lead and its compounds (except for use in applications exempted by the EU RoHS Directive)
- Mercury (except for use in applications exempted by the EU RoHS Directive)
- Nickel and its compounds in components that are likely to result in prolonged skin exposure
- PCBs (polychlorobiphenyls)
- PCTs (polychloroterphenyls)
- PBBs (polybromobiphenyls)
- PBDEs (polybrominated diphenylethers)
- BFR (brominated flame retardants) and PVC (polyvinyl chloride) in plastic parts greater than 25 grams
- Polychlorinated naphthalenes (PCNs)
- Tributyl tin (TBT)
- Triphenyl tin (TPT)

Additional Materials Information

- External and/or Internal cables may use PVC as an insulating material to ensure product safety
- Product may contain post-industrial recycled content (plastics, metal, glass)
- This product contains 0% post consumer recycled plastic
- Materials that may require special handling, please see WEEE Product End-of-Life Instructions [here](#)
- 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	Bisphenol A, Epichlorohydrin & TBBP-A compound

<sup>4</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	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) per EU Directive 1272/2008
Fan Cage	>PC+ABS<	FR(40)	Organic phosphorus compounds	N/A
Fan	>PBT-GF30-FR(17)<	FR(17)	Aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds	N/A

**IX. PACKAGING**

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

No CFCs (chlorofluorocarbons), HCFCs (hydrofluorocarbons) or other ozone depleting substances are used in packaging material. Chromium, lead, mercury, cadmium are not intentionally added to packaging materials and are not present in a cumulative concentration greater than 100 ppm as incidental impurities. No halogenated plastics or polymers are used for packaging material. Dell complies with the EU Directive 94/62/EEC. Plastics packaging materials marked according to ISO 11469 standards. All dissimilar packaging materials shall be separable without the use of tools. Printed user documentation is bleached in a chlorine-free process.

Packaging Materials	Total Weight of each Material type, (kg)	% of Post Consumer Recycled Content (PCR)
Corrugated Fiberboard	5.9	85%
EPS	0	0
EPE	3	100%
Molded paper pulp	0	0
HDPE (including thermoformed)	0	0
Molded Bamboo	0	0
LDPE Bags	0.11	95%

Printed user documentation is bleached in a chlorine-free process.



## X. BATTERIES

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

Battery Description – Internal Batteries	Battery Type	Battery Weight (kg)
CR-2032 coin cell	Lithium	0.0031

- Batteries used in this product are in compliance with EU Battery Directive 2006/66/EC.
- Batteries in this product are not based on mercury, lead or cadmium technologies.
- Information about takeback and the recycling of batteries can be found in the in the Recyclability section below.
- The product documentation includes instructional information on the proper removal and disposal of the batteries used in this product.

### Recyclability

Information for recycling is available [here](#).

For recyclability, this system incorporates the following design guidelines:

- EU WEEE mark is applied to products sold in Europe, EU recycling information can be found at [www.euro.dell.com/recycling](http://www.euro.dell.com/recycling)
- WEEE Product End-of-Life Instructions are available [here](#)
- Plastic parts heavier than 25g have material codes according to ISO 11469:2000.
- Minimal use of composite structure materials.
- Minimal use of non-separable connections, such as gluing and welding between different materials
- Painting/coating of plastics <100 grams is compatible with recycling or reuse
- Mechanical plastic parts greater than 100 grams consist of one material or of easily separable materials.

## XI. 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.

## XII. DELL CORPORATE ENVIRONMENTAL INFORMATION

Information on Dell's Environmental initiatives, policies, programs and goals can be found at [www.dell.com/environment](http://www.dell.com/environment).

Dell's Corporate Responsibility Policies are available [here](#).

Product Safety, EMC and Environmental Datasheets for Dell products are located at: [www.dell.com/regulatory\\_compliance\\_datasheets](http://www.dell.com/regulatory_compliance_datasheets)

Dell's commitment to accountability and assurance is further demonstrated in leveraging the Global Reporting Initiatives (GRI) G3 Guidelines in the preparation of our annual summary report and Web site. We are self-reporting at a B level and have submitted our self-report to GRI to check it against the criteria for GRI Application Level B. To view GRI Index 2009 click [here](#).



Dell holds International Organization for Standardization (ISO) and Occupational Health & Safety Assessment Series (OHSAS) certifications/registrations in a number of important areas including global product development and recycling/take-\*back programs, quality, safety, and health and environment. You can view or download copies of certificates [here](#).

Information related to Supplier Responsibility is available [here](#).