



Compliance information

Sangoma Switchvox E535
(a platform of the DELL model E57S)

July 2022

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Compliance and Regulatory Statements

Compliance information is available on the following DELL website www.dell.com/regulatory_compliance

EU Directives: EMC, Safety and RoHS Recast



EU DECLARATION OF CONFORMITY

Name and Address of the manufacturer:

Dell Inc.
One Dell Way
MS: PS4-30
Round Rock, Texas USA 78682

Name and address of the authorised representative:

Dell Products Europe BV
Raheen Business Park
Limerick, Ireland
Contact: <https://support.dellproductcompliance.com>

This declaration of conformity is issued under the sole responsibility of Dell, Inc.

OBJECT OF THE DECLARATION

Type of Object.....: Server Computer
Regulatory Model.....: E57S
Regulatory Type¹.....: E57S001
Trade/Manufacturer name.: Dell EMC

The object of the declaration described above is in conformity with the following Directives:

- DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility.
- DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- DIRECTIVE 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.
- DIRECTIVE 2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 21 October 2009 establishing a framework for the setting of eco design requirements for energy related products.

The object of the declaration is in compliance with the following European standards, regulations, and technical references:

SAFETY EN 62368-1:2014 +A11:2017
EN IEC 62368-1:2020 +A11:2020
EN 62311:2008
EN 62479:2010

EMC EN 55032:2015 +A11:2020
EN 55035:2017 +A11:2020
EN 61000-3-2:2014
EN 61000-3-3:2013

RoHS EN IEC 63000:2018

ENERGY Commission Regulation (EU) No. 2019/424

RADIO OUT OF SCOPE

¹ Regulatory Type uniquely identifies the product **Tracking Number**, radio, apparatus and EEE which is the object of this DoC.

SUPPLEMENTARY INFORMATION: The object of this declaration has been tested and found to comply with the electromagnetic compatibility (EMC) limits for a Class A digital device pursuant to the listed directives, regulations and standards. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial/business non-residential environment. Operation of this equipment in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense. The equipment was tested in a typical configuration.

Round Rock, Texas, USA

Place of Issue

Chen, Brad

Full Printed Name

06/15/2022

Date of Issue

Senior Manager, Regulatory Engineering

Position/Title

CDE57S001-04

Dell Document Control



Signed for and on behalf of Dell Inc

UK Directives: EMC, Safety and RoHS Recast



UK DECLARATION OF CONFORMITY

Name and Address of the manufacturer:

Dell Inc.
One Dell Way
MS: PS4-30
Round Rock, Texas USA 78682

Name and address of the authorised representative:

Dell Corporation Ltd.
One Creechchurch Place,
London, EC3A 5AF
Contact: <https://support.dellproductcompliance.com>

This declaration of conformity is issued under the sole responsibility of Dell, Inc.

OBJECT OF THE DECLARATION

Type of Object.....: Server Computer
Regulatory Model.....: E57S
Regulatory Type¹.....: E57S001
Trade/Manufacturer name.: Dell EMC

The object of the declaration described above is in conformity with the following Directives:

- Electromagnetic Compatibility Regulations 2016 (as amended 2019,2020)
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended 2019,2020)
- Electrical Equipment (Safety) Regulations 2016 (as amended 2019,2020)
- The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019

The object of the declaration is in compliance with the following standards, regulations, and technical references:

SAFETY BS EN 62368-1:2014 +A11:2017
BS EN IEC 62368-1:2020 +A11:2020
BS EN 62311:2008
BS EN 62479:2010

EMC BS EN 55032:2015 +A11:2020
BS EN 55035:2017 +A11:2020
BS EN 61000-3-2:2014
BS EN 61000-3-3:2013

RoHS BS EN IEC 63000:2018

ENERGY Commission Regulation (EU) No. 2019/424

RADIO OUT OF SCOPE

Round Rock, Texas, USA

Place of Issue

Chen, Brad

Full Printed Name

06/15/2022

Date of Issue

Senior Manager, Regulatory Engineering

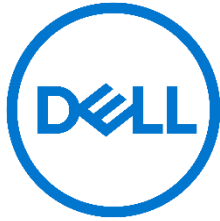
Position/Title

CDE57S001-04

¹ Regulatory Type uniquely identifies the product Tracking Number, radio, apparatus and EEE which is the object of this DoC.

Brad Chen

Signed for and on behalf of Dell Inc



Product Compliance Datasheet

MARKETING NAME.....: DELL EMC PowerEdge R240

REGULATORY MODEL.....: E57S

REGULATORY TYPE.....: E57S001

EMC EMISSIONS CLASS.....: A

EFFECTIVE DATE.....: March 1, 2021

Table of contents

- I. Statement of Compliance2
- II. Global Environmental Information3
- III. Declaration of Similarity.....3
- IV. Power Cords and User Documentation.....4
- V. Trade (Import/Export) Compliance Data4
- VI. Product Dimensions and Weight4
- VII. Performance Data4
- VIII. Product Materials Information4
- IX. Packaging.....6
- X. Batteries6
- XI. Design for Environment.....6
- XII. Recycling / End-of-Life Service Information6
- XIII. Helpful Links7
- Appendix A: ErP Lot 9 Servers and Data Storage Products: Information for end-users8



I. 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. Dell manufacturers and markets Multimedia Equipment (MME), Information Technology Equipment (ITE), Audio Visual Equipment (A/V), Industrial, Scientific, Medical Equipment (ISM) or combinations of these. Generally, products Electromagnetic Compatibility (EMC) and Product Safety compliance is based on International IEC and CISPR standards and their national equivalent along with national standards for Radio (wireless), Telecommunications (Modem) and Energy. Dell products have been verified to comply with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU of the European Parliament and the Council. Dell product does 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 product is intended for use in residential/domestic environments but may also be used in nonresidential/non-domestic environments.
- EMC Class A product is intended for use in non-residential/non-domestic environments. Class A product 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 regulatory 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. Dell products with the CE marking have been verified to comply with Energy Related Products (ErP) Directive 2009/125/EC of the European Parliament and of the Council. https://www.dell.com/ErP_User_Information. REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), Regulation (EC) 1907/2006 of the European Parliament and of the Council is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH regulation. For information on SVHC (Substances of Very High Concern), see www.dell.com/REACH. This products compliance documentation, such as this datasheet and the European Union Declaration of Conformity are available on the product support page, manuals tab <http://www.dell.com/support>. Additional compliance documentation for the product is available upon submitting a request at http://www.dell.com/regulatory_compliance. Please include product identifiers such as marketing name, regulatory model, regulatory type and country that compliance information is needed in the email request.



II. Global Environmental Information

Environmental (Voluntary Marks)		
Country	Approval	Compliance
Global	ENERGY STAR (Configuration Dependent)	3.0
China	CECP	Yes
China	CEC	Yes
Varies by Country See EPEAT.net	EPEAT (Configuration Dependent)	Refer to EPEAT.net for specific registration levels and countries

III. Declaration of Similarity

Object of the Declaration	
Product Type	Server
Regulatory Model Number	E57S
Regulatory Type Number	E57S001
Trade Name/ Trade Mark	DELL EMC
Marketing Name(s)	PowerEdge R240

Dell Inc. hereby declares that the products identified by the product designations listed in this declaration are strictly identical in design (shape, opening, etc.) components, materials, manufacturing process, and markings except for product designation – Trade Name and/or Trade Mark as specified in this declaration.

The products may have very minor differences which do not impact the level of conformity. All products identified by the product designations in this declaration have the same level of conformity according to the certificate(s) provided.

The Trade Name / Trade Mark and/or Marketing Name(s) are the property of Dell Inc. Any differences in the product designation are for marketing purposes only.

Date of Issue	March 01, 2021	Signature on behalf of Dell Inc.	Dell Inc. Dell Global Product Compliance and Environmental Affairs
Title	Dell Global Product Compliance and Environmental Affairs		



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. Trade (Import/Export) Compliance Data

For any questions related to importing & exporting classification of Dell products, please obtain information from the following link: <http://www.dell.com/learn/us/en/uscorp1/import-export> or send email request to WW_Export_Compliance@dell.com. Please include product identifiers such as marketing name, regulatory model, regulatory type and country that compliance information is needed in the email request.

VI. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
534.5 mm	482.0 mm (with rack latched) 434.0 mm (without rack latched)	42.8 mm	12.2 Kg (Max.)

VII. Performance Data

ErP Lot 9 information is in Appendices A.

For additional information on how Dell's commitment to energy efficiency benefits you go to: [Reducing your Footprint](#)

For additional information on ENERGY STAR models refer to the following database: [ENERGY STAR Product Finder](#)

VIII. Product Materials Information

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

Dell's Restricted Material for Use guidance document is available at www.dell.com/restrictedsubstanceslist.

- The case material is steel
- This product contains 0% post-consumer recycled plastic and /or closed loop recycled plastics (ITE-derived)*
(*Measured as a percentage of total amount of plastic (by weight) in the product as per guidance in EPEAT standard as applies to plastics parts)



Mechanical plastic parts ¹ > 25 g are BFR/PVC free	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Marking of plastics parts greater than 25 grams is in accordance with ISO 11469 (see below)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Printed circuit boards (without components) >25g are BFR PVC free ²	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Insulation materials of external electrical cables are PVC free	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Insulation materials of internal electrical cables are PVC free	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free, refer to spec ENV0199)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	TBBPA

Flame Retardants Used in Mechanical Plastic Parts > 25 grams

Resin Material Name	Plastic Part Marking per ISO 11469:2016	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 Cyclooy C6200	>PC+ABS FR(40)<	FR(40)	Organo Phosphate	N/A

Mercury Information

Number of bulbs	Average per bulb
0	0 mg

Additional information:

- Refer to Dell Technologies' [Chemical Use Policy](#) for more information on RoHS and REACH.
- Products MSDS (Material Safety Data Sheets):
 - Batteries: [Battery MSDS Documentation and Declaration](#)
 - Printer Toner and Ink: [MSDS Documentation](#)

¹ Mechanical plastic part: plastic parts that do not internally carry an electrical signal such as housings, brackets, bezels, latches, etc. that form the basic structure of the product and/or have mechanical functions. Plastic parts such as fans, connectors, printer fuser assemblies, etc. are not considered "mechanical plastic parts" in the context of this specification. Plastics parts do not contain more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride (Per Dell Spec ENV0424)

² Dell will adopt the BFR/CFR/PVC-free definition as set forth in the "iNEMI Position Statement on the Definition of 'Low-Halogen' Electronics (BFR/CFR/PVC-Free)." Plastic parts contain <1000 ppm (0.1 percent) of bromine (if the Br source is from BFRs) and <1000 ppm (0.1 percent) of chlorine if the Cl source is from CFRs, PVC or PVC copolymers. All printed circuit board (PCB) and substrate laminates contain bromine/chlorine totaling less than 1,500 ppm (0.15 percent), with maximum chlorine of 900 ppm (0.09 percent) and maximum bromine of 900 ppm (0.09 percent)



IX. Packaging

Information on Dell's sustainable packaging effort available [here](#). Additional materials restricted in Packaging as per Dell's Material Restricted for Use Standard document can be found at www.dell.com/restrictedsubstanceslist.

Packaging Materials	Total Weight, (g)	Sustainable Material Content ³ (e.g. Recycled content *, bio-based, Sustainable Forested materials)	% Sustainable Material		
			APJ region	DAO region	EMEA region
Corrugated Fiberboard	3580	Recycled Content	Min 35%	Min 35%	Min 35%
LDPE (Including EPE Foam)	680	Recycled Content	0-80%	0-80%	0%

X. Batteries

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

Battery Description – Batteries	Battery Type	Battery Weight (kg)	Rating
CR-2032 coin cell	Lithium Metal	0.003	3Vdc
PERC Battery	Lithium Ion	0.016	3.7Vdc, 1.8Wh

XI. Design for Environment

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing. For more information on Dell's Environmental product attributes please visit <https://www.dell.com/learn/is/en/is/corp1/dell-environment-greener-products>

XII. 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, please visit www.dell.com/recyclingworldwide and select the relevant country.

³ Non-wood, biobased material may include, but is not limited to: bagasse, bamboo, mushroom, straw, agricultural waste or byproduct.
* Recycled content in packaging material is supplier dependent.



XIII. Helpful Links

- **Environmental Policy**
https://i.dell.com/sites/csdocuments/Corporate_corp-Comm_Documents/en/dell-global-environmental-policy.pdf
- **Environment Website**
<https://www.dell.com/learn/ai/en/aicorp1/dell-environment>
- **Corporate Social Responsibility Report**
<http://www.dell.com/Learn/us/en/uscorp1/report?c=us&l=en&s=corp&delphi:gr=true>
- **ISO 14001 Certification**
<http://i.dell.com/sites/content/corporate/corp-comm/en/Documents/dell-iso14001-worldwide.pdf>
- **Materials Restricted for Use**
www.dell.com/restrictedsubstanceslist
- **Chemical Use Policy**
<http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf>
- **Product Carbon Footprint**
https://www.dell.com/learn/us/en/uscorp1/corp-comm/environment_carbon_footprint_products
- **RoHS Compliance**
<https://www.dell.com/learn/us/en/uscorp1/envt-info-materials>
- **REACH Compliance**
www.dell.com/REACH
- **Recycling Information**
<http://www.dell.com/recycling>
- **Supplier Responsibility**
<https://www.dell.com/learn/gy/en/gycorp1/cr-social-responsibility>



Appendix A: ErP Lot 9 Servers and Data Storage Products: Information for end-users

The EU Commission Regulation (EU) 2019/424 (ErP Lot 9) ANNEX II Section 3.0 defines the information requirements to be provided by Manufacturers. This information is documented below or via a link is provided to a free access website where the information is maintained. A reference column is included to align the information with the format in the annex of the regulation. Where the information has already been recorded in the body of the Product Compliance Datasheet a note is made to avoid duplication.

For any follow up a request should be sent to: <http://support.dellproductcompliance.com>

Annex II Sect 3.0	Reporting Requirement	Link to Firmware / Security Updates
	Latest available version of firmware updates are available on the Product Page for the Marketing Model of the Server Solution	https://www.dell.com/support
	Latest available version of firmware updates are available on the Product Page for the Marketing Model of the Server Solution	https://www.dell.com/support/security/

High End Configuration:

Annex II Sect 3.1	Reporting Requirement	Information Requirements / link to free access website
a.	product type	reference product compliance datasheet
b.	manufacturer's name, registered trade name and registered trade address at which they can be contacted;	reference product compliance datasheet
c.	product model number, and if applicable the low-end performance configuration and the high-end performance configuration model numbers;	reference product compliance datasheet
d.	year of manufacture;	December 10, 2019
e.	PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power,	reference ErP Lot 9 power supply table
f.	power factor at 50 % of the rated load level, with the exception of direct current servers, rounded to three decimal places;	reference ErP Lot 9 power supply table
g.	PSU rated power output (Watts), rounded to the nearest integer	reference ErP Lot 9 power supply table
h.	idle state power, expressed in Watts (rounded to the first decimal place)	36.1W
i.	product model number, and if applicable the low-end performance configuration and the high-end performance configuration model numbers;	1 additional 450W PSU, 3.5" HDDx2, additional 64GB memory, Dual port 10G and dual 1G NIC card.
j.	maximum power, expressed in Watts (rounded to the first decimal place);	174.5W
k.	declared operating condition class,	Operating condition class A2
l.	idle state power (Watts) at the higher boundary temperature of the declared operating condition class,	64.1W
m.	the active state efficiency and the performance in active state of the server;	22.155
n.	secure data deletion	https://www.dell.com/support/manuals/idrac
o.	list recommended combinations with compatible chassis	Applies to blade servers only
p.	if a product model is part of a server product family, a list of all model configurations that are represented by the model shall be supplied.	All available configurations can be selected on https://www.dell.com for a particular product model



Low End Configuration:

Annex II Sect 3.1	Reporting Requirement	Information Requirement / link to free access website
e.	PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power,	reference ErP Lot 9 server power supply table
f.	power factor at 50 % of the rated load level, with the exception of direct current servers, rounded to three decimal places;	reference ErP Lot 9 server power supply table
g.	PSU rated power output (Watts), rounded to the nearest integer	reference ErP Lot 9 server power supply table
h.	idle state power, expressed in Watts (rounded to the first decimal place)	32.4W
i.	list of all components for additional idle power allowances, if any (additional PSU, HDDs or SSDs, additional memory, additional buffered DDR channels, additional I/O devices);	1 additional 450W PSU, 3.5" HDDx2, additional 16GB memory, Dual port 1G NIC card
j.	maximum power, expressed in Watts (rounded to the first decimal place);	64W
k.	declared operating condition class,	Operating condition class A2
l.	idle state power (Watts) at the higher boundary temperature of the declared operating condition class,	63.4W
m.	the active state efficiency and the performance in active state of the server;	13.590

ErP Lot 9 Server Power Supply Table (applicable for high end and low end configurations)	
Power Supply Model Number	Link to manufacturer's efficiency report (List of 80 PLUS Certified Power Supplies)
AC450E-S1	https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=26&type=1
D450E-S0	

Annex II Sect 3.3	Reporting Requirement	Information Requirement / link to free access website
h.	indicative weight range of the following CRMs: (a) Cobalt in the batteries; (b) Neodymium in the HDDs	Contact: http://support.dellproductcompliance.com
i.	instructions on the disassembly operations;	reference user manual in documentation tab on https://www.dell.com/support



Environmental Information

Waste Electrical and Electronic Equipment – WEEE



The WEEE (Waste Electrical and Electronic Equipment) legislation aims to raise the level of recycling of electrical and electronic equipment and to encourage designers to create products with recycling in mind.

The DELL equipment that you bought has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment in a sound way.

The crossed-out wheeled bin symbol invites you not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately.

Making changes or modifications



Any changes and modifications not expressly approved by DELL will void any compliance and regulatory approval, and will void the user's authority to operate the equipment.