



MARKETING NAME..... Dell Smart Printer | S2810dn
REGULATORY MODEL..... Dell S2810dn
REGULATORY TYPE..... N/A
EFFECTIVE DATE..... May 12, 2015
EMC EMISSIONS CLASS..... B

Dell Inc.
www.dell.com

TABLE OF CONTENTS

I. GLOBAL ENVIRONMENTAL INFORMATION .....2
II. NFPA 99 CONFORMITY .....2
III. POWER CORDS AND USER DOCUMENTATION.....2
IV. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS.....2
V. TRADE (IMPORT/EXPORT) COMPLIANCE DATA .....2
VI. SYSTEM DIMENSION AND WEIGHT .....2
VII. PERFORMANCE DATA.....3
VIII. PRODUCT MATERIALS INFORMATION .....3
IX. PACKAGING.....5
X. BATTERIES .....5
XI. DESIGN FOR ENVIRONMENT .....5
XII. RECYCLING/ END-OF-LIFE SERVICE INFORMATION .....5
XIII. HELPFUL LINKS.....5
XIV. APPENDIX A: ErP Lot 26 Network Standby (Energy Consumption) 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 2011/65/EU. 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. ErP compliance is tied to the CE mark.

REACH (Registration, Evaluation, Authorization and Restriction of Chemicals, 1907/2006) is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH directive. For information on SVHC (Substances of Very High Concern), see www.dell.com/REACH.

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 (Voluntary Marks) |           |            |
|---------------------------------|-----------|------------|
| Country                         | Approval  | Compliance |
| Europe                          | ErP Lot6  | Yes        |
| Europe                          | ErP Lot26 | Yes        |

## II. NFPA 99 CONFORMITY

Select Dell systems have been tested and found to comply with the touch current requirements as defined in 10.3.5 of National Fire Protection Association standard NFPA 99:2012. The touch current does not exceed 100  $\mu$ A with ground wire intact (if a ground wire is provided) and 500  $\mu$ A with ground disconnected at 127 V AC, 60 Hz when tested in accordance with 10.3.5 of NFPA 99: 2012. To determine if this product complies with the above requirements, send a request to [regulatory\\_compliance@dell.com](mailto:regulatory_compliance@dell.com). Please include product identifiers such as marketing name, regulatory type and country for which compliance information is needed.

## 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](mailto: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](http://www.dell.com/import_export_compliance) or send request to [WW\\_Export\\_Compliance@dell.com](mailto:WW_Export_Compliance@dell.com)

## VI. SYSTEM DIMENSION AND WEIGHT

Please refer to the product user guide or specification for the details which are available at [www.dell.com](http://www.dell.com)



**VII. PERFORMANCE DATA**

**Printers:**

| Service Level     | Energy Consumption (Wattage) | BTU Calculation | Description of Service Level   |
|-------------------|------------------------------|-----------------|--|
| <b>*Printing</b>  | <b>530.00</b>                | <b>1812.60</b>  | The system is printing.  |
| <b>Ready Mode</b> | <b>44.00</b>                 | <b>150.48</b>   | The system is in a ready waiting mode waiting for instruction.           |
| <b>Sleep 1</b>    | <b>7.00</b>                  | <b>23.94</b>    | The system is in a low-power sleep mode (setting range: 1 – 60 minutes). |
| <b>Sleep 2</b>    | <b>1.20</b>                  | <b>4.10</b>     | The system is in a low-power sleep mode (setting range: 1 – 60 minutes). |
| <b>Off</b>        | <b>0.00</b>                  | <b>0.00</b>     | The system is turned off but is still connected to its AC power source.  |

\* **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.

Energy Consumption\*

Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. Dell offers energy calculators that help estimate power needs, potential emissions avoidance and potential cost savings. Click [here](#) for Dell’s Client Energy Savings Calculator, Data Center Capacity Planner, and Monitor Power Savings Calculator. Information on Energy Efficiency is available [here](#)

\* This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components and peripherals you ordered. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.

For more details visit [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)**

**Printers**

| Service Level    | Sound Power ( $L_{WAdr}$ , bels) (1 bel=10 decibels, re $10^{-12}$ Watts) | Sound Pressure Bystander Position ( $L_{pAmr}$ , decibels) (re $2 \times 10^{-5}$ Pa) |
|------------------|---|---|
| <b>Operating</b> | 6.95  | <b>54.3 (Ref)</b>   |
| <b>Idle</b>      | 4.09  | <b>24.7 (Ref)</b>   |

**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<, >ABS<, > m-PPE+GF35% <, >PPE+PS<, >PET<
- This product contains 0.052% post-consumer recycled plastic
- Marking of plastic parts greater than 25 grams are done in accordance with ISO 11469 (see below)

<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 Motherboard**

| Part                   | Flame Retardant  |
|------------------------|--|
| Motherboard<br>ESS/MCU | aromatic brominated compounds<br>(excluding brominated diphenyl ether and biphenyls) |

**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 |
|---------------------|--|--|---|---|
| PC/ABS              | >PC+ABS-FR(40)<                        | FR(40)   | Halogen-free Organic Phosphates Compounds                   | None  |
| ABS                 | >ABS-FR(40)<                           | FR(40)   | Halogen-free Organic Phosphates Compounds                   | None  |
| m-PPE+GF35%         | >PPE+PS-(GF+MD)35FR(40)<               | FR(40)   | Halogen-free Organic Phosphates Compounds                   | None  |
| PPE+PS              | >PPE+PS FR(40)<                        | FR(40)   | Halogen-free Organic Phosphates Compounds                   | None  |
| PET                 | >PET-(GF+MD)40 FR(30+40)<              | FR(30+40)  | Halogen-free Organic Phosphates Compounds                   | None  |

Mercury Information

| Number of bulbs | Average per bulb |
|-----------------|------------------|
| 0               | 0                |

**For additional information please visit:**

- Restricted Material Compliance [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)
- Products MSDS (Material Safety Data Sheets):

Printer Toner and Ink: [MSDS Documentation](#)



**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) |
|-------------------------------|--|---|
| Corrugated Fiberboard         | 2.08                                     | 70% over                                  |
| EPS                           | 0.28                                     | Recycling material is not included.       |
| EPE                           | -  | -   |
| Molded paper pulp             | -  | -   |
| HDPE (including thermoformed) | 0.028                                    | Recycling material is not included.       |
| Molded Bamboo                 | -  | -   |
| LDPE Bags                     | 0.014                                    | Recycling material is not included.       |
| Plastic Bags- PP              | 0.018                                    | Recycling material is not included.       |
| Other, please specify         | -  | -   |

**X. BATTERIES**

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

| Battery Description – Batteries | Battery Type | Battery Weight (kg) |
|---------------------------------|--------------|---------------------|
| CR2032 coin cell                | Lithium      | 0.0029              |

**XI. DESIGN FOR ENVIRONMENT**

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

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

**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, 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.

**XIII. HELPFUL LINKS**

- **Environmental Policy**  
<http://i.dell.com/sites/content/corporate/corp-comm/en/Documents/dell-global-environmental-policy.pdf>
- **Environment Website**  
[www.dell.com/earth](http://www.dell.com/earth)
- **Corporate Sustainability 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**  
[http://www.dell.com/downloads/global/corporate/environ/restricted\\_materials\\_guid.pdf](http://www.dell.com/downloads/global/corporate/environ/restricted_materials_guid.pdf)



- **Chemical Use Policy**  
<http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf>
- **Client Energy Calculator**  
<http://www.dell.com/content/topics/topic.aspx/global/products/landing/en/client-energy-calculator?c=us&l=en>
- **Product Carbon Footprint**  
[http://content.dell.com/us/en/corp/d/corp-comm/environment\\_carbon\\_footprint\\_products](http://content.dell.com/us/en/corp/d/corp-comm/environment_carbon_footprint_products)
- **RoHS Compliance**  
[www.dell.com/rohsinfo](http://www.dell.com/rohsinfo)
- **REACH Compliance**  
[www.dell.com/REACH](http://www.dell.com/REACH)
- **Recycling Information**  
[www.dell.com/recycling](http://www.dell.com/recycling)
- **Supplier Responsibility**  
<http://content.dell.com/us/en/corp/d/corp-comm/standards-for-suppliers.aspx>

**XIV. APPENDIX A: ErP Lot 26 Network Standby (Energy Consumption) Information**

The ErP Lot 26 Standard includes Network Standby power requirements to be provided by the manufacturer. This is applicable to multiple product categories. If no information is reported, it's assumed it is out of scope of ErP Lot 26.

|  |   |
|--|---|
| <b>Network Standby Classification</b>  | <b>LoNA</b>   |
| <b>Off/Standby - Watts</b>   | <b>0.0W</b>   |
| <b>Network Standby - Watts</b>   | <b>1.2/1.1W</b>   |
| <b>Number of Network Ports</b>   | <b>2</b>  |
| <b>Location of Network Ports</b>   | <b>Back</b>   |
| <b>Network Port Type</b>   | <b>Ethernet/USB</b>   |
| <b>Network Port(s) Activated or Deactivated</b>  | <b>Network Port(s) "Activated"</b>  |
| <b>Network Port Maximum Performance in GB/s</b>  | <b>1000 Mbps</b>  |
| <b>Communication protocol used by equipment</b>  | <b>Ethernet - TCPIP/USB 2.x</b>   |
| <b>Description of how to assert Network Standby Mode</b>   | <p><b>Information available @</b><br/> <a href="http://www.dell.com/regulatory_compliance">www.dell.com/regulatory_compliance</a><br/>                     and/or<br/> <a href="http://www.dell.com/support">www.dell.com/support</a></p> |
| <b>Sequence of events to trigger automatic assertion of Network Standby Mode</b>                               |   |
| <b>Notes regarding operation of the equipment EX: how the user switches the equipment into network standby</b> |   |
| <b>Default time for PM function to switch equipment into this mode</b>   |   |
| <b>Inactivity time required to enter Network Standby</b>   |   |
| <b>Re-activation trigger</b>   |   |
| <b>Measurement Method</b>  |   |

Please look at page239 of Dell S2810dn\_UsersGuide regarding the power consumption of Network standby(ready) mode.

Please look at page145 of Dell S2810dn\_UsersGuide regarding the disabling method of WiFi.

It is written as follows by a paradoxical expression in page145.

**NOTE:** When the optional wireless adapter is attached and the Ethernet cable is disconnected, Wi-Fi is displayed."