Product Compliance Datasheet

MARKETING NAME………   OptiPlex XE3 SFF

REGULATORY MODEL….… D11S

REGULATORY TYPE….….… D11S004

EMC EMISSIONS CLASS…. B

EFFECTIVE DATE……October 10，2020

Table of contents

I.   Statement of Compliance

This equipment has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the equipment is marketed. The equipment 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, Medial Equipment (ISM) or combinations of these. Generally, equipment Safety and EMC compliance is based on International IEC and CISPR standards and their national equivalent along with national standards for Radio (wireless), and Energy. Dell products have been verified to comply with the EU RoHS Directive 2011/65/EU. Dell equipment 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 equipment is intended for use in residential/domestic environments but may also be used in nonresidential/non-domestic environments.

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

For Safety and EMC compliance, this equipment has been assigned a unique regulatory model and regulatory type that is imprinted on the equipment regulatory labeling to provide traceability to the regulatory approvals noted on this datasheet. This datasheet applies to any equipment 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. 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 (Configiration Dependent)	8.0
Global	TCO Certified Desktop 8.0	Yes
China	CECP	Yes
China	CEC	Yes/No
Japan	Green PC Label	Yes
South Korea	Eco Label	Yes
Taiwan	Greenmark	Yes
Varies by Country – see EPEAT.net	EPEAT (Configuration Dependent)	Bronze

III. 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 µA with ground wire intact (if a ground wire is provided) and 500 µA 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 Product_Compliance@Dell.com. Please include product identifiers such as marketing name, regulatory type and country for which compliance information is needed.

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: www.dell.com/import_export_compliance   or send request to WW_Export_Compliance@dell.com.

VI. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
292.0	92.6	290.0	5.24Kg (depending upon installed options)

For Display, Imaging products please refer to the user manual for weight and dimension information.

VII. Performance Data

ErP Lot 3 & Lot 26 information is located in section XIV Appendix A

For additional information on ENERGY STAR models refer to the following databases:

http://www.dell.com/en-us/work/learn/power-and-cooling-energy-star

USA: https://www.energystar.gov/productfinder/

EU: http://www.eu-energystar.org/db-currentlists.htm

    *Energy Consumption results are based solely upon the laboratory testing of the System Configuration and in accordance to the described service level. Energy consumption is tested at 230 Volts / 50 Hz.

Energy Consumption[1]

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.

Declared noise emission values in accordance with ISO 9296. Testing performed in compliance with ISO 7779 with operating modes defined by ECMA-74.

OptiPlex Desktop:
Declared noise emission values in accordance with ISO 9296. Testing performed in compliance with ISO 7779 with operating modes defined by ECMA-74.

SSD/Integrated Graphics Configuration		
Component	**Configuration**	
CPU	i7 - 9700	
Memory	4GB	
HDD/SSD (#, capacity)	1, 256GB	
RMSD (Removable Media Storage Device)	DVD+/-RW	
Graphic Adapter	I	
Power Supply Output Wattage & Efficiency	200W	0.82

Operating Mode	Sound Power Declared mean A-weighted level $L_{WA,m}$ (bels)	Sound Power Statistical adder for verification K_V, (bels)	Sound Pressure Declared mean A-weighted emission level $L_{pA,m}$ (dB) Operator	Bystander
Idle	2.52	0.4	18	16.7
HDD Operating	2.53	0.4	18.1	16.7
CPU Stressed	3.71	0.4	30.9	26.1
ODD Operating	4.37	0.4	34.6	33.3

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[1] 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 https://www.dell.com/learn/us/en/uscorp1/dell-environment

OptiPlex Desktop: SSD/Integrated Graphics Configuration [1]			
Service Level	**Energy Consumption (Wattage)**	**BTU Calculation**	**Description of Service Level**
CPU stressed	48.4	0.00	System is running programs to maximize CPU utilization.
Short Idle	12	0.00	As specified EPA Energy Star Computers
Long Idle	11.3	0.00	
Sleep	1.6	0.00	Suspend-to-RAM (low-power/sleep mode) or Modern Standby
Off	0.4	0.00	System is turned off but still connected to its AC power source.
E-$_{TEC}$	0.00	0.00	Calculated annual energy consumption in kWh using conventional duty cycle

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VIII. Product Materials Information

Information on Dell's material use is available here.
Dell's Restricted Material for Use guidance document is available here.

- The case material is, > __ Galvanized steel __<
- This product contains 37.1% post-consumer recycled plastic/closed loop recycled plastics
(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[2] > 25 g are BFR/PVC free	☒ Yes ☐ No ☐ NA
Marking of plastics parts greater than 25 grams is in accordance with ISO 11469 (see below)	☒ Yes ☐ No ☐ NA
Printed circuit boards (without components) >25g are BFR PVC free [3]	☐ Yes ☒ No ☐ NA
Insulation materials of external electrical cables are PVC free	☐ Yes ☒ No ☐ NA
Insulation materials of internal electrical cables are PVC free	☐ Yes ☒ No ☐ NA
Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free, refer to spec ENV0199)	☐ Yes ☒ No

Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	BFR

Flame Retardants Used in Mechanical Plastic Parts > 25 grams

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

Mercury Information

Number of bulbs	Average per bulb
If none, enter 0	< 0 mg

Additional information:
- RoHS and REACH declaration - see product material information section at:
    www.dell.com/environmental_information
- Products MSDS (Material Safety Data Sheets)**:**

Batteries: Battery MSDS Documentation and Declaration

Printer Toner and Ink: MSDS Documentation

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[2] 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 no 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)

[3] 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 Restricted Material Guidance document found here.

Packaging Materials	Total Weight of each Material type, (kg)	Sustainable Material Content[4] (e.g Recycled content *,bio-based, Sustainable Forested materials)	% of Post-Consumer Recycled Content (PCR)		
			APJ region	DAO region	EMEA region
Corrugated Fiberboard	1.12	Recycled Content	55%	55%	55%
LDPE	0.13	Recycled Content	0	0	0
Molded Pulp	0.36	Recycled Content	N/A	100%	100%

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	0.0032(MITSUBISHI)
CR-2032 coin cell	Lithium	0.0029(SHUNWO)
CR-2032 coin cell	Lithium	0.0029(JHT)

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

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4 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.

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.

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/environmental_information
- **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
- **Chemical Use Policy**
  http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf
- **Product Carbon Footprint**
  http://content.dell.com/us/en/corp/d/corp-comm/environment_carbon_footprint_products
- **RoHS Compliance**
  www.dell.com/rohsinfo
- **REACH Compliance**
  www.dell.com/REACH
- Recycling Information
  www.dell.com/recycling
- Supplier Responsibility
  http://content.dell.com/us/en/corp/d/corp-comm/standards-for-suppliers.aspx

A   Appendix A: ErP Lot 3 Product Energy Consumption Information

ErP Lot 3 (EU No 617/2013)

The ErP Lot 3 regulation includes requirements for certain product specific information to be provided by the manufacturer. This is applicable to Desktops, Integrated Desktops (All-in-One), Notebooks, Tablets, Slates, Notebook Thin Clients, Desktop Thin Clients, Workstations, Mobile Workstations, Computer Servers, and Small Scale Servers.

ErP Lot 3 provides certain exclusions based upon product type, screen size, and/or the amount of power consumed in idle mode. Product energy and acoustic information might be reported for products that are out of scope of ErP Lot 3 for informational purposes only.

Category	Category B	Category C	Category D
Processor Speed in GHz	3.1	3.7	3.7
Number of Cores	2	4	4
Total Installed System Memory in GB	4	2	4
Graphics	G3(with FB Data Width <= 128-bit)	G3(with FB Data Width <= 128-bit)	G3(with FB Data Width <= 128-bit)
WOL enabled in "Sleep" Mode	No	No	No
WOL enabled in "Off" Mode	No	No	No
As Tested: Lowest Power State	0.39	0.38	0.38
As Tested: Poff(W) WOL Disabled	0.39	0.38	0.38
As Tested: Poff(W) WOL Enabled			
As Tested: Psleep(W) WOL Disabled	1.64	1.62	1.64
As Tested: Psleep(W) WOL Enabled			
As Tested: Pidle(W)	21.47	21.73	21.48
Base TEC Limit (kWh)	112	134	150.00
TEC Adders Limit (kWh)	40.00	38.00	38.00
Base + Adders TEC Limit (kWh)	152.00	172.00	188.00
Results TEC	77.83	78.68	77.82

Power Supply Model #	Internal or External	Link to efficiency report
H200EBS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL_H200EBS-00_200W_ECOS%205028_Report.pdf
H200EPS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL_H200EPS-00_200W_ECOS%205029_Report.pdf
H300EGS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL_H300EGS-00_300W_ECOS%205030_Report.pdf
HU300EGS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL%20INC._HU300EGS-00_300W_ECOS%205050_Report.pdf
L200EBS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL,%20INC._L200EBS-00_200W_ECOS%205064_Report.pdf
L200EPS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL,%20INC._L200EPS-00_200W_ECOS%205126_Report.pdf
D200EPS-00	Internal	https://plugloadsolutions.com/psu_reports/DELL,%20INC._D200EPS-00_200W_ECOS%205087_Report.pdf

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Energy Consumption*

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For more details visit www.dell.com/environmental_information

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

Computer Category B:

Service Level	Sound Power (L_{WAd}, bels) (1 bel=10 decibels, re 10^{-12} Watts)	Sound Pressure Bystander Position (L_{pAm}, decibels) (re $2x10^{-5}$ Pa)
Hard Drive Accessing	3.0	18.7
Optical Drive Accessing	4.5	33.6
Idle	3.0	18.5

Computer Category C:

Service Level	Sound Power (L_{WAd}, bels) (1 bel=10 decibels, re 10^{-12} Watts)	Sound Pressure Bystander Position (L_{pAm}, decibels) (re $2x10^{-5}$ Pa)
Hard Drive Accessing	3.2	21.9
Optical Drive Accessing	4.5	34.6
Idle	3.2	21.7

Computers Category D:

Service Level	Sound Power (L_{WAd}, bels) (1 bel=10 decibels, re 10^{-12} Watts)	Sound Pressure Bystander Position (L_{pAm}, decibels) (re $2x10^{-5}$ Pa)
Hard Drive Accessing	3.5	25.9
Optical Drive Accessing	4.8	40.9
Idle	3.4	25.4

B   Appendix B: ErP Lot 26 Network Standby Energy Consumption Information

ErP Lot 26 (EU No 801/2013)

The ErP Lot 26 regulation 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.