



MARKETING NAME..... Precision 3510/ Precision 3510001
REGULATORY MODEL.....P48F
REGULATORY TYPE.....P48F001
EFFECTIVE DATE.....Oct. 27, 2015
EMC EMISSIONS CLASS.....B

Dell Inc.
www.dell.com

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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
Global	ENERGY STAR (Configuration Dependent)	ENERGY STAR 6.1
Varies by country – see EPEAT.net	EPEAT (Configuration Dependent)	Gold
India	BEE (NB only)	Yes
China	China Energy Label	Yes
China	CECP	Yes
China	CEC	Yes
Brazil	INMETRO	Yes
South Korea	E-standby	Yes
South Korea	Eco Label	Yes
USA	California Energy Commission	Yes
Mexico	Energy Labeling Law	Yes
Australia/New Zealand	MEPS	Yes

**II. 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.

**III. 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)

**IV. 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)

**V. SYSTEM DIMENSION AND WEIGHT**

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
252.6 mm	377.1 mm	24.6 mm	2.6 Kg (depending upon installed options)

**VI. PERFORMANCE DATA (ErP Lot 3 information is located in section XIII Appendix A)**

The battery[ies] in this product cannot be easily replaced by users themselves.

**VII. 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](#).

<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.



- The case material is, cover : >PC-CF20 FR(40)<, >PC-GF50FR(40)< , log up: > PC-(MD15+TD10)-FR(40)< , Bezel: >TPU, PC+ABS FR(40)<, door: >PC-CF20 FR(40)<
- This product contains 0% post-consumer recycled plastic
- Marking of plastic parts greater than 25 grams are done in accordance with ISO 11469 (see below)

Product is BFR/PVC Free  Yes  No

Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	2-6% DOPO

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
ADM80_LCD_COVER_NORMAL	>PC-CF20 FR(40)< >PC-GF50FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LCD_COVER_TS	>PC-CF20 FR(40)< >PC-GF50FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LCD_BEZEL_W_CAM_NORMAL	>TPU, <u>PC+ABS</u> FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LCD_BEZEL_WO_CAM_NORMAL	>TPU, <u>PC+ABS</u> FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LCD_BEZEL_TS	>TPU, <u>PC+ABS</u> FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LOG_UP_DIGI	> PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LOG_UP_NEXT	> PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LOG_UP_DIGI_USB_C	> PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LOG_UP_NEXT_USB_C	> PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LOG_UP	>PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_LOG_UP_USB_C	>PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_DOCK_FRAME_U_B	>PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADP80_DOCK_FRAME_H_B	>PC-(MD15+TD10)-FR(40)<	FR(40)	Organo Phosphate	NA
ADM80_BIG_DOOR_U	>PC-CF20 FR(40)<	FR(40)	Organo Phosphate	NA
ADP80_BIG_DOOR_H	>PC-CF20 FR(40)<	FR(40)	Organo Phosphate	NA

Mercury Information



Number of bulbs	Average per bulb
0	NA

**DECLARATION OF CONFORMITY WITH GAZETTE OF INDIA: EXTRAORDINARY, E-WASTE (MANAGEMENT & HANDLING) RULES (INDIA ROHS)**

Manufacturer Name and Address:

Dell Inc.  
One Dell Way  
Round Rock, Texas, USA  
78682

Dell Inc. declares that all Dell branded products have been designed and manufactured in compliance with E-Waste (Management & Handling) Rules<sup>2</sup> on the reduction in the use of hazardous materials in the manufacture of electrical and electronic equipment and their maximum allowed concentrations by weight in the homogenous material (except for the exemptions listed in schedule II).

Substance	Concentration
Lead	0.1%
Mercury	0.1%
PBB (Polybrominated Biphenyls)	0.1%
PBDE (Polybrominated Diphenyl Ethers)	0.1%
Hexavalent Chromium	0.1%
Cadmium	0.01%

Compliance has been verified via internal design controls, supplier declarations, and/or analytical test data. The undersigned below possesses the complete technical documentation relating to the declaration of compliance.

**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):

Batteries: [Battery MSDS Documentation and Declaration](#)

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

**VIII. 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)		
		APJ region	DAO region	EMEA region
Corrugated Fiberboard	0.481	Over 25%	Over 25%	Over 25%
Molded paper pulp	0.210	100 %	100 %	100%
LDPE Bags	0.089	0	0	0

<sup>2</sup> E-Waste (Management & Handling) Rules 2011, by the Ministry of Environment & Forests, Government of India dated May 12, 2011.



## IX. 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	0.005 (max)
3-cell 47Wh	Lithium	0.250 (max)
4-cell 62 Wh	Lithium	0.325 (max)
6-cell 84 Wh	Lithium	0.433 (max)

## X. 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)

## 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. 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>

## XIII. APPENDIX A: ErP Lot 3 Product (Energy Consumption) Information

The ErP Lot 3 Standard includes requirements for certain product specific information to be provided by the manufacturer. This is applicable to Desktops, Integrated Desktops, 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.



Cut & Paste section below as a Picture into Dell P/N ENV0023 (EDS) at the bottom in section XIII. APPENDIX A: ErP Lot 3 Product (Energy Consumption) Information

Notebooks w/ diagonal screen size less than 9" "OR" Idle less than 6W, out of scope of Lot 3 and fall into scope of Lot 26. Complete Lot 3 & ErP Lot 26 tabs and insert both into EDS (ENV0023) section XIII.

Category	Category A	Category B	
Processor Speed in GHz	2.6	2.7	0
Number of Cores	4	4	0
Total Installed System Memory in GB	16	16	0
Graphics	Integrated	G3(with FB Data Width <= 128-bit)	Select
WOL enabled in "Sleep" Mode	No	No	No
WOL enabled in "Off" Mode	No	No	No
As Tested: Lowest Power State	0.32	0.35	
As Tested: Poff(W) WOL Disabled	0.32	0.35	
As Tested: Poff(W) WOL Enabled	0.52	0.65	
As Tested: Psleep(W) WOL Disabled	1.22	1.33	
As Tested: Psleep(W) WOL Enabled	1.57	1.53	
As Tested: Pidle(W)	6.58	7.68	
Base TEC Limit (kWh)	27	36	0
TEC Adders Limit (kWh)	4.80	17.80	0.00
Base + Adders TEC Limit (kWh)	31.80	53.80	0.00
Results TEC	20.04	23.19	0.00

Power Supply Model #	Internal or External	Link to efficiency report
AA65NM121	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5477379&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5477379&amp;appliance=EPS&amp;nr=1</a>
BT90PM130	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8954099&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8954099&amp;appliance=EPS&amp;nr=1</a>
DA65NM111-00	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5478051&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5478051&amp;appliance=EPS&amp;nr=1</a>
DA65NM130	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8954085&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8954085&amp;appliance=EPS&amp;nr=1</a>
DA90PM130	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=6448377&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=6448377&amp;appliance=EPS&amp;nr=1</a>
FA90PM130	External	NA
HA65NM130	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=6448362&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=6448362&amp;appliance=EPS&amp;nr=1</a>
HA65NS5-00	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5470487&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5470487&amp;appliance=EPS&amp;nr=1</a>
HK65NM130	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8095191&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8095191&amp;appliance=EPS&amp;nr=1</a>
LA65NM130	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=6474043&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=6474043&amp;appliance=EPS&amp;nr=1</a>
LA65NS2-01	External	<a href="http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5485275&amp;appliance=EPS&amp;nr=1">http://oee.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5485275&amp;appliance=EPS&amp;nr=1</a>



LA65NS2-01	External	<a href="http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5485275&amp;appliance=EPS&amp;nr=1">http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5485275&amp;appliance=EPS&amp;nr=1</a>
LA90PM111	External	<a href="http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5485277&amp;appliance=EPS&amp;nr=1">http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5485277&amp;appliance=EPS&amp;nr=1</a>
LA90PM130	External	<a href="http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8783126&amp;appliance=EPS&amp;nr=1">http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8783126&amp;appliance=EPS&amp;nr=1</a>
HA65NM130	External	<a href="http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5477379&amp;appliance=EPS&amp;nr=1">http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=5477379&amp;appliance=EPS&amp;nr=1</a>
LA65NM130	External	<a href="http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8954099&amp;appliance=EPS&amp;nr=1">http://oe.e.nrcan.gc.ca/pml-imp/index.cfm?action=app.formHandler&amp;operation=details-details&amp;ref=8954099&amp;appliance=EPS&amp;nr=1</a>

\* **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)**

**Computers Category A:**

Service Level	Sound Power ( $L_{WAd}$ , bels) (1 bel=10 decibels, re $10^{-12}$ Watts)	Sound Pressure Bystander Position ( $L_{pAm}$ , decibels) (re $2 \times 10^{-5}$ Pa)
Hard Drive Accessing	3.0	17.9
Optical Drive Accessing	-	-
Idle	3.0	17.8

**Computers 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 $2 \times 10^{-5}$ Pa)
Hard Drive Accessing	2.5	15.4
Optical Drive Accessing	-	-
Idle	2.5	15.4



XIV. APPENDIX B: 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.

Cut & Paste section below as a Picture into Dell P/N ENV0023 (EDS) in the bottom in section XIII. APPENDIX A: ErP Lot 3 & Lot 26 Product (Energy Consumption) Info unless information in User Guide/Manual	
Network Standby Classification	LoNA
Off/Standby - Watts	0.35
Network Standby - Watts	1.33
Number of Network Ports	1
Location of 'Physical' Network Ports	Back
Network Port Type	Ethernet - TCPIP
Network Port(s) Activated or Deactivated	Network Port(s) "Activated"
Network Port Maximum Performance in GB/s	1000 Mbps
Communication protocol used by equipment	Ethernet - TCPIP
Description of how to assert Network Standby Mode	Information available @ <a href="http://www.dell.com/regulatory_compliance">www.dell.com/regulatory_compliance</a> and/or <a href="http://www.dell.com/support">www.dell.com/support</a>
Sequence of events to trigger automatic assertion of Network Standby Mode	
Notes regarding operation of the equipment EX: how the user switches the equipment into network standby	
Default time for PM function to switch equipment into this mode	
Inactivity time required to enter Network Standby	
Re-activation trigger	
Measurement Method	