



MARKETING Name: 1610HD
REGULATORY MODEL 1610HD
REGULATORY TYPE NA
EFFECTIVE DATE : 02/15/2010
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 2002/95/EC. 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.

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

### System Certification/Declaration

Country	Environmental	
	Approval	Compliance
China	CECP	YES

For more details concerning environmental information, click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## II. NFPA 99 CONFORMITY

Selected Dell systems have been tested and found to comply with the chassis leakage current requirements as defined by clause 8.4.1.3.5 of National Fire Protection Association standard NFPA 99:2005 leakage current equal to or less than 300uA @ 127 VAC/60 Hz. To determine if this product model offers the higher leakage current send a request for NFPA 99 Conformity verification to [regulatory\\_compliance@dell.com](mailto: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.

## 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. MATERIAL SAFETY DATA SHEET (MSDS)

For any questions related to MSDS of specific Dell products, please refer to information on [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).



## VII. SYSTEM DIMENSION AND WEIGHT

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

## VIII. PERFORMANCE DATA

### Energy Consumption<sup>1</sup>

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
*Maximum	310	1060.2	The system is running programs to maximize the power consumption
Minimum	15	51.3	The display is in a low-power mode
Off	1	3.42	The system is turned off but is still connected to its AC power source

\*Maximum **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. Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour. BTU is calculated based upon the wattage reading taken in the given mode. To convert Watts to BTU, (1 Watt = 3.42 BTU)

If applicable, iAMT increases the power consumption even during the off state. The power measurements reported above are valid only if the iAMT Management Engine (ME) is set to "ON" in S0 state only (S0 is simply power-on, non-sleep, working state).

ErP compliance is tied to the CE mark.

For more details click [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)

Service Level	Sound Power (L <sub>WAd</sub> , bels) (1 bel=10 decibels, re 10 <sup>-12</sup> Watts)	Sound Pressure Operator Position (L <sub>pAm</sub> , decibels) (re 2x10 <sup>-5</sup> Pa)
Full Power	NA	35
Eco Mode	NA	32

## IX. PRODUCT MATERIALS INFORMATION<sup>2</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 <
- 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)

<sup>1</sup> 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.

<sup>2</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	TBBPA

**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	PC	FR(40)	Halogen-free Organic Phosphates Compounds	None

Mercury Information

Number of bulbs	Average per bulb
1	17 mg

For more information Dell's compliance to various materials restrictions regulations and list of substance prohibited from use please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## X. 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)
Carton box (Corrugated Fibred Board)	0.619	25%
Expanded Polyethylene (EPE)	0.127	N/A
Corrugated Paperboard	0.155	N/A

For more details on packaging please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## XI. BATTERIES

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

Battery Description – Batteries	Battery Type	Battery Weight (kg)
AA or AAA Remote Control Battery	Alkaline	0.016

For more details on batteries including MSDS please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)



## XII. DESIGN FOR ENVIRONMENT

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing. For more information on product Recyclability please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## XIII. 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.

## XIV. 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>



## APPENDIX A: ErP Lot 26 Energy Information

<b>Network Standby Classification</b>	<b>Networked equipment</b>
<b>Off/Standby - Watts</b>	<b>0.45</b>
<b>Network Standby - Watts</b>	<b>2.3</b>
<b>Number of Network Ports</b>	<b>1</b>
<b>Location of Network Ports</b>	<b>Back</b>
<b>Network Port Type</b>	<b>RJ-45 / PCI-E Half mini</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>100 Mbps</b>
<b>Communication protocol used by equipment</b>	<b>Ethernet - TCPIP</b>
<b>Description of how to assert Network Standby Mode</b>	<b>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></b>
<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>	