



MARKETING NAME\*: Latitude™ Z, Latitude™ Zn  
REGULATORY MODEL: P01L  
REGULATORY TYPE: P01L001  
EFFECTIVE DATE: January 12, 2011

Dell Inc.  
www.dell.com

TABLE OF CONTENTS FOR PRODUCT SAFETY, EMC & ENVIRONMENTAL DATASHEET

Regulatory

- I. [Product Safety](#)
- II. [Electromagnetic Compatibility](#)
- III. [NFPA Conformity Statement](#)
- IV. [Power Cords and User Documentation](#)
- V. [Datasheet Responsible Party Name and Address](#)
- VI. [Trade Import/Export Compliance Data](#)

Environmental

- VII. [System Dimension and Weight](#)
- VIII. [Declarations and Certifications](#)
- IX. [Performance Data](#)
- X. [Product Materials Information](#)
- XI. [Packaging](#)
- XII. [Batteries](#)
- XIII. [Design for Environment](#)
- XIV. [Recycling/End-of-Life Service Information](#)
- XV. [Dell Corporate Environmental Information](#)

I. PRODUCT SAFETY<sup>1</sup>

The product has been certified and bears the Mark, as applicable, of the Product Safety authorities as indicated below.

Country/Region	Authority or Mark
Australia	NATA <sup>†</sup>
Canada	SCC
China	CNCA or CCC
European Union	CE
IECEE	IECEE CB
Norway	NEMKO
United States	NFPA
United States	NRTL

This model Dell notebook for use with the following adapters:

- Lite-On: LA45NS0-00; LA65NE1-00
- Flextronics: FA65NE1-00
- Hi-Pro: HA65NE1-00
- Delta: A45NM100-00 (ADP-45JD AA); DA45NM104-00 (ADP-45JD B)

II. ELECTROMAGNETIC COMPATIBILITY<sup>2</sup>

The product has been certified and bears the Mark, as applicable, of the EMC authorities as indicated below.

Country/Region	Authority or Mark	Class
Australia / New Zealand	ACMA or C-Tick	Class B
Canada	ICES	Class B
China	CNCA or CCC	Class B
European Union	CE	Class B
Japan	VCCI	Class B
Norway	NEMKO	Class B
United States	FCC	Class B

\* Notice: This product has been assigned a unique regulatory model and regulatory type that is imprinted on the product shipping invoice and 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. Requests for specific information on product regulatory approvals should reference the assigned product regulatory model and type.

<sup>1</sup> The above-listed Product Safety certifications may vary depending upon the location of the factory and specific product configuration. Certification marks may not be applied on products for countries outside the purchaser's country.

<sup>†</sup> Product Safety certification is specific to the AC Adapter only.

<sup>2</sup> The above-listed EMC certifications may vary depending upon the location of the factory and specific product configuration. Certification marks may not be applied on products for countries outside the purchaser's country.



### III. NFPA 99 Conformity Statement

All AC Adapters provided with Dell notebook computers 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.

### 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. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS

Dell Inc.  
 Department: Global Regulations and Standards  
 MS: PS4-30  
 Round Rock, Texas 78682, USA  
 512-338-4400  
[Regulatory\\_Compliance@Dell.com](mailto:Regulatory_Compliance@Dell.com)

### VI. TRADE (IMPORT/EXPORT) COMPLIANCE DATA

System US Harmonized Tariff System (USHTS) Number	8471.30.0100
System US Export Control Classification Number (ECCN)	4A994

For additional questions regarding importing & exporting classification of Dell products, please send an e-mail to: [US\\_Export\\_Classification@Dell.com](mailto:US_Export_Classification@Dell.com)

### VII. SYSTEM DIMENSION AND WEIGHT

Depth, mm	Width, mm	Height, mm	Weight, kg
272.25	396.34	14.55 – 20.1	2 (entry configuration)

### VIII. DECLARATIONS AND CERTIFICATIONS

This system received the following approvals and may be labeled with one or more of these marks depending on point of purchase:

Approvals	Certificate #	Yes / No / N/A
China: China Energy Certification Program (CECP)	CQC09701031277	Yes
Energy Star 5.0	-	Yes
* EPEAT	Link below for registration status	Varies by Country
EuP	CD09063	Lot 6 & Lot 7



\* EPEAT registered where applicable/supported see product links for respective registration status by country: [Desktops](#), [Monitors](#), [Notebooks](#), [Workstation-Desktops](#), and [Workstation-Notebooks](#).

Information on Dell's participation in various Eco-labels and Green Standards can be found [here](#).

Dell is a member of the Electronic Industry Citizenship Coalition (<http://www.eicc.info/>)

Through internal design controls and supply chain declarations, this system has been verified to comply with the EU RoHS Directive. For more details, see [www.dell.com/rohsinfo](http://www.dell.com/rohsinfo).

All Dell products shipping directly into China which are manufactured on or after March 1st, 2007, will be China RoHS compliant. For more details, see [www.dell.com/chinarohs](http://www.dell.com/chinarohs).

All Dell products shipping to South Korea are compliant with South Korea RoHS requirements, declarations [here](#).

Information on Japan RoHS (J-MOSS) chemical disclosures is available [here](#).

REACH (Registration, Evaluation, Authorization and Restriction of Chemicals, EC 1907/2006) is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH directive. For more details, see [www.dell.com/REACH](http://www.dell.com/REACH)

Dell's Energy Star qualified products are listed on the EPA website [here](#)

## IX. PERFORMANCE DATA

### System Configuration

The Energy Consumption and Declared Noise Emissions data is based on a configuration including:

Processor	Intel® Core™ 2 Duo SFF processor @ 1.6GHz
Hard Drive(s)	(2) SSD, total 256GB
Memory	4GBs
External Power Supply	45 W, efficiency level $\text{V}$

### Energy Consumption<sup>3</sup>

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
*Maximum	31.2	106.70	The data provided is the highest wattage reading while running an Industry Benchmark suite of tests.
Idle	8.6	29.41	As specified by the EPA Computer spec 5.0 or system is sitting at the main Windows screen.
ACPI-S3 "Standby" Mode	1.91	6.53	Suspend-to-RAM (low power mode)
ACPI-S4 "Hibernate" Mode	1.24	4.24	Suspend-to-Disk (a lower power mode)
Off	0.98	3.35	System is turned off
External Power Supply	0.23	0.78	AC adapter connected to mains with system detached otherwise known as "No-load" condition

<sup>3</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.



\*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. Off data is not meant to show compliance to US Executive Order 13221. When applicable, Dell product information related to US Executive Order 13221 may be obtained at: <http://oahu.lbl.gov/index.html>.

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

Service Level	Sound Power ( $L_{WA,d}$ , bels) (1 bel=10 decibels, re $10^{-12}$ Watts)	Sound Pressure Operator Position ( $L_{pAm}$ , decibels) (re $2 \times 10^{-5}$ Pa)	Sound Pressure Bystander Position ( $L_{pAm}$ , decibels) (re $2 \times 10^{-5}$ Pa)
Idle	3.1	22.3	19.6
50% CPU utilization	3.2	22.5	19.5
90% CPU utilization	3.2	22.5	19.7

**X. PRODUCT MATERIALS INFORMATION<sup>4</sup>**

**Restricted Substances**

This Dell product does **NOT** contain any of the following substances (in concentrations exceeding legal threshold limits):

- Asbestos
- Azo dyes/colorants in components that come into direct contact with human skin
- Cadmium and its compounds (except for use in applications exempted by the EU RoHS Directive)
- Class I and Class II CFCs (chlorofluorocarbons) and HCFCs (hydrofluorocarbons)
- Chloroparaffins, short chained (10-13 carbon chain)
- Chromium VI and its compounds (except for use in applications exempted by the EU RoHS Directive)
- Halogenated dioxins or furans (i.e. polychlorinated dibenzodioxines, polychlorinated dibenzofurans)
- Lead and its compounds (except for use in applications exempted by the EU RoHS Directive)
- Mercury (except for use in applications exempted by the EU RoHS Directive)
- Nickel and its compounds in components that are likely to result in prolonged skin exposure
- PCBs (polychlorobiphenyls) or PCTs (polychloroterphenyls)
- PBBs (polybromobiphenyls) or PBDEs (polybrominated diphenylethers)
- PVC (polyvinyl chloride) in plastic parts greater than 25 grams
- Polychlorinated naphthalenes (PCNs)
- Tributyl tin (TBT) and triphenyl tin (TPT) compounds

For information on Japan RoHS (J-MOSS) chemical disclosures: [www.dell.com/japan\\_rohs](http://www.dell.com/japan_rohs).

**Additional Materials Information**

- Mercury-free LED display
- Arsenic-free display glass
- Many internal components are free of BFR & PVC, including most cables and connectors
- Although some cables may use PVC as an insulating material to ensure product safety
- The case material is : >PC+ABS< and Aluminum

<sup>4</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.



**Mercury Information**

Number of bulbs	Average per bulb*
0	0 mg

\* Mercury-free WLED display

**Flame Retardants Used in Mechanical Plastic Parts > 25 grams and Motherboards**

Part	Flame Retardant	ISO 1043-4
Motherboard	AL(OH)3	FR(60)
<b>Mechanical Plastic Parts &gt; 25 grams:</b>		
PC+ABS	organo phosphate	>PC+ABS FR(40) <
PC	N/A	>PC<

**XI. PACKAGING**

No CFCs (chlorofluorocarbons), HCFCs (hydrofluorocarbons) or other ozone depleting substances are used in packaging material. Chromium, lead, mercury, or cadmium are not intentionally added to packaging materials and are not present in a cumulative concentration greater than 100 ppm as incidental impurities. No halogenated plastics or polymers are used for packaging material. Dell complies with the EU Directive 94/62/EEC.

Packaging Materials	Weight, kg	% of Post Consumer Recycled Content (PCR)
PP tray	0.3	2%
LDPE tray	0.285	0%
Kraft box	1.44	30%

Printed user documentation is bleached in a chlorine-free process. (Europe Only)

**XII. BATTERIES**

Batteries in this product are not based on mercury, lead or cadmium technologies. The batteries used in this product are in compliance with EU Directive 91/ 157/ EEC, EU Directive 93/ 86/ EEC, EU Directive 98/ 101/ EEC, and EU Battery Directive 2006/66/EC.

The product documentation includes instructional information on the proper removal and disposal of the batteries used in this product. Below is a listing of batteries present in the product:

Battery Description – Internal Batteries	Battery Type
Rechargeable Battery Pack 4 or 8 cell	Lithium Ion
CR2032 3V	Lithium

\*\* Other batteries may be delivered in this system, depending on customer options. The optional internal batteries are either Lithium or Nickel Metal Hydride.



### **XIII. DESIGN FOR ENVIRONMENT**

#### **Longevity and Upgrading**

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing. To extend the life of your system, you can install or upgrade certain system components (e.g., microprocessor, memory, expansion cards, and storage devices). Spare parts are available after the end of production for up to five years, or otherwise through the warranty period.

#### **Recyclability**

For recyclability, this system incorporates the following design guidelines:

- EU WEEE mark is applied to products sold in Europe, EU recycling information can be found at [www.euro.dell.com/recycling](http://www.euro.dell.com/recycling)
- Minimal use of non-separable connections, such as gluing and welding between different materials.
- Minimal use of composite structure materials.
- Painting/varnishing of plastics >100 grams has been avoided.
- Mechanical plastic parts greater than 100 grams consist of one material or of easily separable materials.

### **XIV. 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.

### **XV. DELL CORPORATE ENVIRONMENTAL INFORMATION**

Information on Dell's Environmental initiatives, policies, programs and goals can be found at [www.dell.com/environment](http://www.dell.com/environment).

Product Safety, EMC and Environmental Datasheets for Dell products are located at: [www.dell.com/regulatory\\_compliance\\_datasheets](http://www.dell.com/regulatory_compliance_datasheets)