



PRODUCT: Projector 1420X
REGULATORY MODEL: 1420X
EFFECTIVE DATE: 14 February 2012

Dell Inc.
www.dell.com

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I. PRODUCT SAFETY¹

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

| Country/Region | Authority or Mark |
|----------------|----------------------------|
| Argentina | IRAM |
| Canada | SCC |
| China | CNCA or CCC |
| European Union | CE |
| Germany | TUV |
| IECEE | IECEE CB |
| Kuwait | KUCAS |
| Mexico | NYCE or NOM |
| Nigeria | SONCAP |
| Russia | GOST |
| Saudi Arabia | KSA ICCP |
| Singapore | Safety Registration Scheme |
| South Africa | NRCS |
| South Korea | KC |
| United States | NRTL |

II. ELECTROMAGNETIC COMPATIBILITY²

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 |
| Russia | GOST | Class B |
| South Africa | SABS | Class B |
| South Korea | KCC | Class B |
| United States | FCC | Class B |

¹ 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.

² 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. ERGONOMICS, ACOUSTICS AND HYGIENICS³

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

| Country/Region | Authority or Mark |
|----------------|-------------------|
| Germany | GS |
| Russia | GOST |

IV. WIRELESS DEVICE

This Dell projector includes an optional **Wireless Device**. Please refer to the **Wireless Device** section included on this website for the text applicable to the **Wireless Device** embedded within your projector.

V. 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.

VI. 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

VII. SYSTEM DIMENSION AND WEIGHT

| Depth, cm | Width, cm | Height, cm | Weight, kg |
|-----------|-----------|------------|--|
| 23.8 | 29 | 9.08 | 2.6 (May vary with additional options installed) |

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:

| Country | Approvals | Certified or Registered Compliance |
|---------|-----------|------------------------------------|
| China | CECP | CQC11702066260 |

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

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 (www.eicc.info)

³ The above-listed Ergonomics, Acoustics and Hygienics 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.



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.

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.

All Dell products shipping to South Korea are compliant with South Korea RoHS requirements

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

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

IX. PERFORMANCE DATA

Energy Consumption⁴

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](#)

| Service Level | Energy Consumption (Wattage) | BTU Calculation | Description of Service Level |
|---|------------------------------|-----------------|--|
| *Maximum | 305 | 1043.1 | The system is running programs to maximize the power consumption. |
| Minimum | N/A | N/A | The system is in a waiting mode, such as at the MS-DOS prompt. |
| VESA’s DPMS | 0.4 | 1.368 | The display is in a low-power mode. |
| Standby | 0.4 | 1.368 | The system is in a waiting mode and the display is inactive. |
| Off | NA | NA | The equipment is connected to a main power source and provides a reactivation function and/or an information or status display. A reactivation function is only defined as a function to switch the equipment to active mode by remote switch, internal sensor or timer. |
| External Power Supply “No-Load” (if applicable) | N/A | N/A | 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.

⁴ 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. The information in this document may change without notice; please note the revision number on the last page.



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.

Declared Noise Emissions in accordance with ISO 9296 (Tested according to ISO 7779)

Table with 3 columns: Service Level, Sound Power (LWAd, bels) (1 bel=10 decibels, re 10-12 Watts), and Sound Pressure Operator Position (LpAm, decibels) (re 2x10-5 Pa). Rows include Full Mode and Eco Mode.

X. PRODUCT MATERIALS INFORMATION⁵

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)
Ozone Depleting Substances; 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)
PCTs (polychloroterphenyls)
PBBs (polybromobiphenyls)
PBDEs (polybrominated diphenylethers)
BFR (brominated flame retardants) and PVC (polyvinyl chloride) in plastic parts greater than 25 grams
Polychlorinated naphthalenes (PCNs)
Tributyl tin (TBT)
Triphenyl tin (TPT)

Additional Materials Information

- External and/or Internal cables may use PVC as an insulating material to ensure product safety
The case material is, >PC < (i.e. PC+ABS, Aluminum, etc)
Product may contain post-industrial recycled content (plastics, metal, glass)
This product contains 0% post consumer recycled plastic
Materials that may require special handling, please see WEEE Product End-of-Life Instructions here
Marking of plastic parts greater than 25 grams are done in accordance with ISO 11469 (see below)

⁵ 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 Mechanical Plastic Parts > 25 grams and Motherboards

| Part | Flame Retardant |
|-------------|-----------------|
| Motherboard | TBBPA |

Flame Retardants Used in Mechanical Plastic Parts > 25 grams

| Resin Material | 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) per EU Directive 1272/2008 |
|----------------|--|--|---|--|
| PC | > PC< | FR (40) | halogen-free organic phosphorus compounds | N/A |

Mercury Information

| Number of bulbs | Average per bulb |
|-----------------|------------------|
| 1 | 17.5 mg |

XI. PACKAGING

Information on Dell’s sustainable packaging effort available [here](#).

No CFCs (chlorofluorocarbons), HCFCs (hydrofluorocarbons) or other ozone depleting substances are used in packaging material. Chromium, lead, mercury, 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. Plastics packaging materials marked according to ISO 11469 standards.

| Packaging Materials | Total Weight of each Material type, (kg) | % of Post Consumer Recycled Content (PCR) |
|--------------------------------------|--|---|
| Carton box (Corrugated Fibred Board) | 0.56 | 80% |
| Expanded Polyethylene (EPE) | 0.05 | 50% |
| Plastic Bags- LDPE | 0.0001 | 0% |

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



XII. BATTERIES

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

| Battery Description – Internal Batteries | Battery Type | No of Batteries | Battery Weight (kg) |
|--|--------------|-----------------|---------------------|
| CR-2025 coin cell | Lithium | 1 | 0.0021 |

- Batteries used in this product are in compliance with EU Battery Directive 2006/66/EC.
- Batteries in this product are not based on mercury, lead or cadmium technologies.
- Information about takeback and the recycling of batteries can be found in the in the Recyclability section below.
- The product documentation includes instructional information on the proper removal and disposal of the batteries used in this product.

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

Information for recycling is available [here](#).

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
- WEEE Product End-of-Life Instructions are available [here](#)
- Plastic parts heavier than 25g have material codes according to ISO 11469:2000.
- Minimal use of composite structure materials.
- Painting/coating of plastics <100 grams is compatible with recycling or reuse
- 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 or visit 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.

Product Safety, EMC and Environmental Datasheets for Dell products are located at: www.dell.com/regulatory_compliance_datasheets