



MARKETING NAME.....Dell Precision M4700
REGULATORY MODEL.....P21F
REGULATORY TYPE.....P21F001
EFFECTIVE DATE.....JUNE 10, 2014
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

| Country | Environmental | |
|-------------|---------------|------------|
| | Approval | Compliance |
| China | CEC | YES |
| China | CECP | YES |
| South Korea | E-standby | YES |
| Mexico | MEL | YES |

Adapter Certification and Declaration

| Country | Authority/Mark |
|---------------|------------------|
| Australia | Australia MEPS |
| South Korea | South Korea MEPS |
| United States | US DOE |

For more details concerning environmental information, click www.dell.com/environmental_information

II. NFPA 99 CONFORMITY

Select 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. 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

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. MATERIAL SAFETY DATA SHEET (MSDS)

For any questions related to products MSDS refer to information on www.dell.com/regulatory_compliance.

VII. SYSTEM DIMENSION AND WEIGHT

| Depth, mm/cm | Width, mm/cm | Height, mm/cm | Weight, kg | Optimal Resolution (Display Only) |
|--------------|--------------|---------------|------------|-----------------------------------|
| 256 mm | 376 mm | 36.5 mm | 2.75 kg | NA |

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

System Configuration

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

| | |
|--|-------------------------|
| Processor | Intel i7-3920XM, 2.9GHz |
| Hard Drive(s) | 750GB |
| Memory | 8G*4 |
| Video Card | DSC |
| RMSD / Optical Drive | DVD-RW |
| Power Supply (Internal or External) | External |
| Power Supply Size in Watts | 180 W |
| Power Supply Efficiency Level | V |

Client Computers:

| Service Level | Energy Consumption (Wattage) | BTU Calculation | Description of Service Level |
|--|------------------------------|-----------------|---|
| *Maximum | 62.80 | 214.78 | The system is running programs to maximize the power consumption. |
| Idle Mode | 19.14 | 65.46 | As specified EPA Energy Star Computer mode. |
| S3 "Sleep" Mode | 1.94 | 6.63 | Suspend-to-RAM (low-power/sleep mode) |
| Off | 0.44 | 1.50 | System is turned off but still connected to its AC power source. If the product is a computer, the Low Power Mode feature is enabled via BIOS if available. |
| External Power Supply "No-Load" (if applicable) | 0.19 | 0.63 | AC adapter connected to mains with system detached otherwise known as "No-load" condition. |

*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

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

Computers

| Service Level | Sound Power (LWAd, bels) (1 bel=10 decibels, re 10-12 Watts) | Sound Pressure Operator Position (LpAm, decibels) (re 2x10 ⁻⁵ Pa) | Sound Pressure Bystander Position (LpAm, decibels) (re 2x10 ⁻⁵ Pa) |
|--|--|--|---|
| Hard Drive Accessing | 2.9 | 19.5 | 17.3 |
| Optical Drive Accessing | 4.8 | 42.7 | 35.0 |
| Idle | 2.9 | 19.6 | 17.6 |
| CPU activated (at a utilization of 50%) ECMA-74 | 4.2 | 32.3 | 28.4 |

IX. PRODUCT MATERIALS INFORMATION¹

Information on Dell's material use is available [here](#).

To review Dell's Restricted Material Guidance document click [here](#).

- The case material is, > LCD cover: AL ; LCD bezel: PC+ABS ; Logic upper: PC+ABS + 5% TAC ; Logic lower: Mg-Al <
- 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)

Flame Retardants Used in Motherboard

| Part | Flame Retardant |
|-------------|-----------------------------------|
| Motherboard | 2-4% (DOPO) |
| Motherboard | 2-6 % (P series flame retardant) |

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 + ABS | >PC-ABS-I-FR(40)< | FR(40) | Organo Phosphate | N/A |
| PC+ABS + 5% TAC | >PC-ABS-I-(TD5)FR(40)< | FR(40) | Organo Phosphate | N/A |

¹ **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 | NA |

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

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) | | |
|-------------------------------|--|---|------------|-------------|
| | | APJ region | DAO region | EMEA region |
| Corrugated Fiberboard | 0.6821(max) | 100 | 100 | 100 |
| EPE | 0.1340 | 20 | 20 | 20 |
| HDPE (including thermoformed) | 0.0030 | 20 | 20 | 20 |

For more details on packaging please click 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) |
|---------------------------------|--------------|---------------------|
| CR-2032 with cable wire | Lithium | 0.004 (max) |
| 6 cell 65Wh battery | Lithium | 0.330 (max) |
| 9 cell 87&97Wh battery | Lithium | 0.510 (max) |

For more details on batteries including MSDS please click 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

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 or visit www.dell.com/recyclingworldwide and select the relevant country.



XIV. 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.

| Category | Category B | Category C |
|--------------------------------------|--------------|---------------|
| Processor Speed in GHz | 2.9 | 2.9 |
| Number of Cores | 4 | 4 |
| Total Installed System Memory in GB | 32 | 32 |
| Graphics | G2 | G4 |
| WOL enabled in "Sleep" Mode | No | No |
| WOL enabled in "Off" Mode | No | No |
| As Tested: Lowest Power State | 0.45 | 0.41 |
| As Tested: Poff(W) WOL Disabled | 0.45 | 0.41 |
| As Tested: Poff(W) WOL Enabled | | |
| As Tested: Psleep(W) WOL Disabled | 1.08 | 1.98 |
| As Tested: Psleep(W) WOL Enabled | | |
| As Tested: Pidle(W) | 24.63 | 21.31 |
| Base TEC Limit (kWh) | 48 | 80.50 |
| TEC Adders Limit (kWh) | 31.20 | 48.20 |
| Base + Adders TEC Limit (kWh) | 79.20 | 128.70 |
| Results TEC | 68.04 | 59.89 |

| Power Supply Model # | Internal or External | Link to efficiency report |
|----------------------|----------------------|---|
| DA180PM111 | External | http://oe.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=5478058&appliance=EPS&nr=1 |
| FA180PM111 | External | http://oe.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=5477404&appliance=EPS&nr=1 |

* 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