



Product Compliance Datasheet

MARKETING NAME/MODEL NO.....: OptiPlex AIO Plus 7420

REGULATORY MODEL.....: W31C

REGULATORY TYPE.....: W31C002

EMC EMISSIONS CLASS.....: B

EFFECTIVE DATE¹.....: February 23, 2024

REVISED DATE².....: NA

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¹ Effective Date refer to product that is available to market (RTS/Launch)

² Revision Date refer to the Datasheet has been updated to capture the latest information



I. Global Environmental Information

Environmental (Voluntary Marks)		
Country	Approval	Compliance
Global	ENERGY STAR (Configuration Dependent)	<i>Energy Star 8.0</i>
Global	TCO Certified	<i>TCO 9.0</i>
China	CECP	Yes
China	CEC	Yes
Taiwan	Greenmark	Yes
Varies by Country See EPEAT.net	EPEAT (Configuration Dependent)	Refer to EPEAT.net for specific registration levels and countries

II. Declaration of Similarity

Object of the Declaration	
Product Type	All-in-One Computer
Regulatory Model Number	W31C
Regulatory Type Number	W31C002
Trade Name/ Trademark	DELL
Marketing Name(s)	OptiPlex AIO Plus 7420

Dell Inc. hereby declares that the products identified by the product designations listed in this declaration are strictly identical in design (shape, opening, etc.) components, materials, manufacturing process, and markings except for product designation – Trade Name and/or Trade Mark as specified in this declaration.

The products may have very minor differences which do not impact the level of conformity. All products identified by the product designations in this declaration have the same level of conformity according to the certificate(s) provided.

The Trade Name / Trademark and/or Marketing Name(s) are the property of Dell Inc. Any differences in the product designation are for marketing purposes only.

Date of Issue	February 23, 2024	Signature on behalf of Dell Inc.	Dell Inc. Dell Global Product Compliance and Environmental Affairs
Title	Dell Global Product Compliance and Environmental Affairs		

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. Trade (Import/Export) Compliance Data

For any questions related to importing & exporting classification of Dell products, please obtain information from the following link: <http://www.dell.com/learn/us/en/uscorp1/import-export> or send email request to WW_Export_Compliance@dell.com. Please include product identifiers such as marketing name, regulatory model, regulatory type, and country that compliance information is needed in the email request.

V. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
57.90 mm	540 mm	354.30 mm	5.61 Kg (depending upon installed options)

For Display & Peripheral products please refer to the product edoc/user manual /spec on Dell.com for weight and dimension information.

VI. Product Energy Performance Data

ErP Lot 3 and ErP Lot 26 information is in Appendices A and B respectively.

For additional information on how Dell's commitment to energy efficiency benefits you go to: [Reducing your Footprint](#)

For additional information on ENERGY STAR models refer to the following database: [ENERGY STAR Product Finder](#)

Computer:

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
CPU stressed	139.41	476.78	The system is running programs to maximize the CPU utilization and/or running programs to maximize the power consumption
Short Idle	22.08	75.51	As specified per EPA ENERGY STAR
Long Idle	2.09	7.15	As specified EPA ENERGY STAR
S3 "Sleep" or Modern Standby	2.09	7.15	S3=Suspend-to-RAM, or Modern Standby



Off/Standby	0.46	1.57	System is turned off but still connected to its AC power source.
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Energy Consumption³

Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. Click [here](#) for Dell's Energy efficient products.

*Energy Consumption results are based solely upon the laboratory testing of the System Configuration and in accordance to the described service level. Energy consumption is tested at 230 Volts / 50 Hz.

Declared noise emission values in accordance with ISO 9296. Testing performed in compliance with ISO 7779 with operating modes defined by ECMA-74.

OptiPlex Desktop:

Declared noise emission values in accordance with ISO 9296. Testing performed in compliance with ISO 7779 with operating modes defined by ECMA-74.

SSD/Integrated Graphics Configuration		
Component	Configuration	
CPU	Intel i9-14900	
Memory	32GB*2	
HDD/SSD (#, capacity)	M.2 SSD	
RMSD (Removable Media Storage Device)	DVD	
Graphic Adapter	Intel® UHD Graphics 770	
Power Supply Output Wattage & Efficiency	240W	Platinum

Operating Mode	Sound Power Declared mean A-weighted level	Sound Power Statistical adder for verification	Sound Pressure Declared mean A-weighted emission level L _{pA,m} (dB)	
	L _{WA,m} (bels)	K _V , (bels)	Operator	Bystander
Idle	2.9	0.4	21.4	17.3
HDD Operating	4.0	0.4	34.2	29.7
CPU Stressed	3.8	0.4	32.3	26.6
ODD Operating	4.4	0.4	38.5	32.5

³ 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 <https://www.dell.com/learn/us/en/uscorp1/dell-environment>



OptiPlex Desktop: SSD/Integrated Graphics Configuration⁴

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
CPU stressed	118.22	404.31	System is running programs to maximize CPU utilization.
Short Idle	21.46	73.39	As specified EPA Energy Star Computers
Long Idle	1.94	6.63	
Sleep	1.94	6.63	Suspend-to-RAM (low-power/sleep mode) or Modern Standby
Off	0.46	1.57	System is turned off but still connected to its AC power source.
E-TEC	71.01	242.85	Calculated annual energy consumption in kWh using conventional duty cycle

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VII. Product Materials Information

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

Dell's Restricted Material for Use guidance document is available [here](#).

Mechanical plastic parts are BFR/PVC free	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Marking of plastics parts is in accordance with ISO 11469 (see below)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Printed circuit boards (without components) >0.5g are BFR PVC free	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Insulation materials of external electrical cables are PVC free	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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. For more details visit <https://www.dell.com/learn/us/en/uscorp1/dell-environment>



Postconsumer recycled Plastics material content ⁵ is used in the product If yes, indicate the percentage of the postconsumer recycled material per total plastic weight of the product	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA 52.4%PCR (Post Consumer Recycled) material in total plastic of product
Biobased Plastic material ⁶ content is used in the product. If yes, either indicate the percentage of the biobased plastic material per total plastic weight of the product	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA _____% biobased plastic material in total plastic of product

Flame Retardants Used in Motherboard

Part	List the Flame Retardants
PCB ⁷	TBBP-A

Flame Retardants Used in Mechanical Plastic Parts⁸

The external case material is >_SGCC,ABS,PC+ABS<

Resin Material Name	Plastic Part Marking per ISO 11469:2016	Flame Retardant Marking per ISO 1043-4 (i.e. FR(16), FR(40), etc.)	List the Flame Retardants used on (i.e. BPA, etc)	List applicable R-Phrase(s) or Hazard Statement(s) per EU Directive 67/548/EEG or 1272/2008
GAR-011 (L85)	>ABS(REC85)<	NA	NA	NA
CHIMEI_PA-757	>ABS<	NA	NA	NA
HP-126	>ABS<	NA	NA	NA
FR3002 ,704572	>PC+ABS-FR(40)(REC)<	FR(40)	Organic phosphorus compounds	NA
GA85BR	>ABS(REC)<	NA	NA	NA

⁵ This product contains x% post-consumer recycled plastic including closed loop recycled plastics (ITE-derived)* % Declaration to be the same in ENV0025 for Display & CP

⁶ Bio-based plastics are fully or partially made from biological resources, rather than fossil raw materials. They are not necessarily compostable or biodegradable. It is important to examine the full life cycle of bio-based plastics, to ensure that they are beneficial to the environment beyond the reduction in use of fossil resources. This includes littering and changes in land use

⁷ PCB (Printed Circuit Board) is a blank circuit board with no electronic components attached

⁸ According to ISO 11469 Marking of plastics products weighing 25 grams or more must be marked. Plastic Parts weighing less than 25 grams and having adequate surface area for coding should be marked.



NC0040	>PC+ABS-FR(40)(REC)<	FR(40)	Organic phosphorus compounds	NA
NC-65	>PC+ABS-FR(40)(REC)<	FR(40)	Organic phosphorus compounds	NA

Mercury Information

Number of bulbs	Average per bulb
If none, enter 0	0 mg

Additional information:

- Refer to Dell Technologies' [Chemical Use Policy](#) for more information on RoHS and REACH.
- 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 Material Restricted for Use Standard document can be found at www.dell.com/restrictedsubstanceslist.

Packaging Materials	Total Weight, (g)	Sustainable Material Content[1] (e.g Recycled content *, bio-based, Sustainable Forested materials)	% Sustainable Material		
			APJ region	DAO region	EMEA region
Corrugated Fiberboard	1412	Recycled Content	Min 35%	Min 35%	Min 35%
LDPE (Including EPE Foam)	545	Recycled Content	0-80%	0-80%	0%
LDPE Bags	64	Recycled content	0%	0%	0%

IX. Batteries

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

Battery Description – Batteries	Battery Type	Battery Weight (kg)	Rating
CR-2032 coin cell	Lithium Metal	0.003 Kg	3V

X. Design for Environment

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing. For more information on Dell's Environmental product attributes click [here](#).

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, please visit [How to Recycle | Dell Technologies US](#) and select the



relevant country.

XII. Helpful Links

- **Environmental Policy**
https://i.dell.com/sites/csdocuments/Corporate_corp-Comm_Documents/en/dell-global-environmental-policy.pdf
- **Social Impact - Progress Made Real**
<https://corporate.delltechnologies.com/en-id/social-impact.htm>
- **Advancing Sustainability**
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability.htm>
- **ISO 14001 Certification**
[ISO Certification Certificate Environmental 14001 \(delltechnologies.com\)](https://www.dell.com/iso-certification-certificate-environmental-14001)
- **Materials Restricted for Use**
www.dell.com/restrictedsubstanceslist
- **Chemical Use Policy**
<http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf>
- **Product Carbon Footprint**
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/sustainable-products-and-services/product-carbon-footprints.htm>
- **RoHS Compliance**
<https://dellproductcompliance.atlassian.net/servicedesk/customer/portal/6/topic/4ef197b3-28bb-4ff8-96ce-0fcb642ecf8f/article/10289411>
- **REACH Compliance**
www.dell.com/REACH
- **Recycling Information**
<http://www.dell.com/recycling>
- **Supplier Responsibility – Champion the Many People**
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/champion-the-many-people.htm>



Appendix A: ErP Lot 3 Product Energy Consumption Information

European Union (EU) ErP Lot 3 (Commission Regulation (EC) No. 617/2013)

The ErP Lot 3 regulation includes requirements for certain product specific information to be provided by the manufacturer. This is applicable to Desktops, Integrated Desktops (All-in-One), Notebooks, Tablets, Slates, Notebook Thin Clients, Desktop Thin Clients, Workstations, Mobile Workstations, 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.

Additional information on ErP Lot 3, Lot 7 & Lot 26 available [here](#).

Category	Category D
Processor Speed in GHz	2
Number of Cores	24
Total Installed System Memory in GB	64
Graphics	G5
WOL enabled in "Sleep" Mode	No
WOL enabled in "Off" Mode	No
<i>As Tested: Lowest Power State</i>	0.46
<i>As Tested: Poff(W) WOL Disabled</i>	0.46
<i>As Tested: Poff(W) WOL Enabled</i>	
<i>As Tested: Psleep(W) WOL Disabled</i>	2.09
<i>As Tested: Psleep(W) WOL Enabled</i>	
<i>As Tested: Pidle(W)</i>	10.26
Base TEC Limit (kWh)	150.00
TEC Adders Limit (kWh)	157.00
Base + Adders TEC Limit (kWh)	307.00
Results TEC	39.08

Power Supply Model #	Internal or External	Link to efficiency report
L240EPS-01	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_L240EPS-01_240W_SOCE%206825_Report.pdf
D240EPS-01	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_D240EPS-01_240W_SOCE%206836_Report.pdf
AC240EPS-01	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_AC240EPS-01_240W_SOCE%206832_Report.pdf
L160EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_L160EBS-00_160W_SOCE%206826_Report.pdf



D160EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_D160EBS-00_160W_SOCE%206835_Report.pdf
AC160EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_AC160EBS-00_160W_SOCE%206831_Report.pdf
HU160EBS-00	Internal	https://www.clearesult.com/80plus/sites/80plus/files/manufacturer-certificate/DELL_HU160EBS-00_160W_SOCE%206837_Report.pdf

* **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 Consumption⁹

Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. Click [here](#) for Dell's Energy efficient products

Declared Noise Emissions in accordance with ISO 9296. Testing performed in accordance with ISO 7779 at operating modes defined by ECMA 74. Your product may perform differently, depending on the software, components, and peripherals you ordered. No warranty as to accuracy or completeness is expressed or implied.

Computers Category D:

Service Level	Sound Power Declared mean A- weighted level	Statistical adder for verification	Sound Pressure Declared mean A- weighted emission level
	L _{WA,m} (B)	K _V (B)	L _{pA,m} (dB)
HDD Accessing	4.5	0.4	32.4
ODD Accessing	4.7	0.4	37.6
Idle	3.5	0.4	24.7

⁹ 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.



Appendix B: ErP Lot 26 Network Standby Energy Consumption Information

European Union (EU) ErP Lot 26 (Commission Regulation (EC) No 801/2013)

The ErP Lot 26 regulation 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.



Appendix C: California Energy Commission Appliance Efficiency Standards MAEDbS Registration Numbers

MAEDbS Model Numbers *	Computer Type	Power Supply Wattage
OptiPlex AIO Plus 7420_240W	Integrated Desktop Computer	240W
OptiPlex AIO Plus 7420_160W	Integrated Desktop Computer	160W

