Product Compliance Datasheet

MARKETING NAME…………: Chromebook 3110 2-in-1

REGULATORY MODEL…..…: PT

REGULATORY TYPE……..…: P30T002

EMC EMISSIONS CLASS…...: B

EFFECTIVE DATE………..…...: December 9, 2021

Table of contents

I. 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. Dell manufacturers and markets Multimedia Equipment (MME), Information Technology Equipment (ITE), Audio Visual Equipment (A/V), Industrial, Scientific, Medical Equipment (ISM) or combinations of these. Generally, products Electromagnetic Compatibility (EMC) and Product Safety compliance is based on International IEC and CISPR standards and their national equivalent along with national standards for Radio (wireless), Telecommunications (Modem) and Energy. Dell products have been verified to comply with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU of the European Parliament and the Council. Dell product does 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 product is intended for use in residential/domestic environments but may also be used in nonresidential/non-domestic environments.

- EMC Class A product is intended for use in non-residential/non-domestic environments. Class A product 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 regulatory 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. Dell products with the CE marking have been verified to comply with Energy Related Products (ErP) Directive 2009/125/EC of the European Parliament and of the Council. https://www.dell.com/ErP User Information. REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), Regulation (EC) 1907/2006 of the European Parliament and of the Council is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH regulation. For information on SVHC (Substances of Very High Concern), see www.dell.com/REACH. This products compliance documentation, such as this datasheet and the European Union Declaration of Conformity are available on the product support page, manuals tab http://www.dell.com/support. Additional compliance documentation for the product is available upon submitting a request at http://www.dell.com/regulatory_compliance. Please include product identifiers such as marketing name, regulatory model, regulatory type and country that compliance information is needed in the email request.

II. Global Environmental Information

Environmental (Voluntary Marks)		
Country	**Approval**	**Compliance**
Global	ENERGY STAR (Configuration Dependent)	*8.0*
Global	TCO Certified	*Generation 8, for notebooks*
Varies by Country See EPEAT.net	EPEAT (Configuration Dependent)	Refer to EPEAT.net for specific registration levels and countries

III. Declaration of Similarity

Object of the Declaration	
Product Type	Portable Computer
Regulatory Model Number	P30T
Regulatory Type Number	P30T002
Trade Name/ Trade Mark	DELL
Marketing Name(s)	Chromebook 3110

Dell Inc. herby 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 / Trade Mark 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	December 9, 2021	Signature on behalf of Dell Inc.	Dell Inc. Dell Global Product Compliance and Environmental Affairs
Title	Dell Global Product Compliance and Environmental Affairs		

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. 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.

VI. Product Dimensions and Weight

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
207.9 mm	303.9 mm	21.5 mm	1.41 kg

VII. Performance Data

ErP Lot 3, Lot 26 and ErP Lot 9 information is in Appendices A, B and C 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

The battery[ies] in this product cannot be easily replaced by users themselves.

Computer:

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
CPU stressed	14.34	49.04	The system is running programs to maximize the CPU utilization and/or running programs to maximize the power consumption
Short Idle	3.39	11.59	As specified per EPA ENERGY STAR

Long Idle	**0.82**	**2.8**	As specified EPA ENERGY STAR
S3 "Sleep" or Modern Standby	**0.43**	**1.47**	S3=Suspend-to-RAM, or Modern Standby
Off/Standby	**0.32**	**1.09**	System is turned off but still connected to its AC power source.

Energy Consumption[1]

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.

VIII. Product Materials Information

Information on Dell's material use is available here.
Dell's Restricted Material for Use guidance document is available at
www.dell.com/restrictedsubstanceslist.

- The case material is > PC+ABS <
- This product contains 11% post-consumer recycled plastic and /or closed loop recycled plastics (ITE-derived)*
 (*Measured as a percentage of total amount of plastic (by weight) in the product as per guidance in EPEAT standard as applies to plastics parts)

Mechanical plastic parts[2] > 25 g are BFR/PVC free	☒ **Yes** ☐ **No** ☐ **NA**
Marking of plastics parts greater than 25 grams is in accordance with ISO 11469 (see below)	☒ **Yes** ☐ **No** ☐ **NA**
Printed circuit boards (without components) >25g are BFR PVC free [3]	☒ **Yes** ☐ **No** ☐ **NA**
Insulation materials of external electrical cables are PVC free	☐ **Yes** ☒ **No** ☐ **NA**
Insulation materials of internal electrical cables are PVC free	☐ **Yes** ☒ **No** ☐ **NA**

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[1] 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

[2] Mechanical plastic part: plastic parts that do not internally carry an electrical signal such as housings, brackets, bezels, latches, etc. that form the basic structure of the product and/or have mechanical functions. Plastic parts such as fans, connectors, printer fuser assemblies, etc. are not considered "mechanical plastic parts" in the context of this specification. Plastics parts do not contain more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride (Per Dell Spec ENV0424)

[3] Dell will adopt the BFR/CFR/PVC-free definition as set forth in the "iNEMI Position Statement on the Definition of 'Low-Halogen' Electronics (BFR/CFR/PVC-Free)." Plastic parts contain <1000 ppm (0.1 percent) of bromine (if the Br source is from BFRs) and <1000 ppm (0.1 percent) of chlorine if the Cl source is from CFRs, PVC or PVC copolymers. All printed circuit board (PCB) and substrate laminates contain bromine/chlorine totaling less than 1,500 ppm (0.15 percent), with maximum chlorine of 900 ppm (0.09 percent) and maximum bromine of 900 ppm (0.09 percent)

Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free, refer to spec ENV0199)	☐ Yes ☒ No

Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	2.5%-10%

Flame Retardants Used in Mechanical Plastic Parts > 25 grams

Resin Material Name	Plastic Part Marking per ISO 11469:2016	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
FR3021	>PC+ABS-TD15FR(40)<	FR(40)	organic phosphorus	NA
FR3040 R35	>PC+ABS-FR(40)(REC)<	FR(40)	organic phosphorus	NA
FR3021	>PC+ABS-TD15FR(40)< + >TPU<	FR(40)	organic phosphorus	NA
FR3021 GR	>PC+ABS-TD15FR(40)(REC)<	FR(40)	organic phosphorus	NA

Mercury Information

Number of bulbs	Average per bulb
0	N/A

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

IX. 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.
For MCF packaging

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	353.3	Recycled Content	Min 35%	Min 35%	Min 35%
Molded paper pulp	136	Recycled content	100%	100%	100%
LDPE Bags	15.3	Recycled content	0%	0%	0%

For shuttle packaging

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	267.4	Recycled Content	Min 35%	Min 35%	Min 35%
Molded paper pulp	136	Recycled content	100%	100%	100%
LDPE Bags	15.3	Recycled content	0%	0%	0%

For MCF CFV packaging

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	353.3	Recycled Content	Min 35%	Min 35%	Min 35%
Molded paper pulp	136	Recycled content	100%	100%	100%
HDPE (including thermoformed) *	8	Recycled Content	0-80%	0-80%	0%

X. Batteries

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

Battery Description – Batteries	Battery Type	Battery Weight (kg)	Rating
Rechargeable Battery 3 cell (LGC/Simplo/SWD/BYD, YRDD6)	Lithium Ion	0.2	42 Wh
Rechargeable Battery x cell (Simplo/ /BYD, YKG3C)	Lithium Ion	0.2	42 Wh

XI. Design for Environment

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing.
For more information on Dell's Environmental product attributes please visit
https://www.dell.com/learn/is/en/iscorp1/dell-environment-greener-products

XII. France Reparability Index

On January 1, 2021, France introduced a new Repairability Index for five categories of electronic devices, including laptops. The aim of this new Repairability Index is to inform customers about available repair options for a product prior to purchase.

The Repairability Index is a score ranging from 0 to 10/10, calculated based on five criteria:

1. **Documentation:** A score determined by the manufacturer's commitment to make technical documents available free of charge, in number of years, to repairers and consumers.
2. Disassembly, tools, and fasteners: A score determined by how easy it is to disassemble the product, the type of tools needed, and the characteristics of the fasteners.

3. **Availability of spare parts:** A score determined by the length of time the manufacturer commits to makes spare parts available for the product and the time it takes to deliver them.
4. **Price of spare parts:** A score determined by the ratio of the sale price of spare parts to the price of the product.
5. **Product specific:** A score determined by sub-criteria specific to the product category concerned, which may include availability of remote support, software updates, and resets.

The Repairability Index for this product and the parameters used to calculate the Repairability Index, are provided in Appendix D.

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

XIV. 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**
  http://i.dell.com/sites/content/corporate/corp-comm/en/Documents/dell-iso14001-worldwide.pdf
- **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://support.dellproductcompliance.com/hc/en-us/articles/360036876153-Materials-Restricted-Material-Compliance
- **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 A
Total Installed Memory in GB	8
Memory Adder	1.6
	Ad
Additional Internal Storage?	No
Storage Adder	0.00
1st Discrete Graphics Card?	Integrated
1st Discrete Graphics Adder	0.00
2nd Discrete Graphics Card?	N/A
2nd Discrete Graphics Adder	0.00
Discrete Television Turner Card?	No
Discrete TV Turner Card Adder	0.00
Category	Category A
Processor Speed in GHz	1.1
Number of Cores	2
Total Installed System Memory in GB	8
Graphics	Integrated
WOL enabled in "Sleep" Mode	No
WOL enabled in "Off" Mode	No
As Tested: Lowest Power State	0.32
As Tested: Poff(W) WOL Disabled	0.32
As Tested: Poff(W) WOL Enabled	
As Tested: Psleep(W) WOL Disabled	0.43
As Tested: Psleep(W) WOL Enabled	
As Tested: Pidle(W)	0.82
Base TEC Limit (kWh)	27
TEC Adders Limit (kWh)	1.60
Base + Adders TEC Limit (kWh)	28.60
Results TEC	4.21

Product Compliance Datasheet | ENV0023 | A22
Dell, Inc. www.dell.com

Placeholder

Power Supply Model #	Internal or External	Link to efficiency report
HKA65NM200	External	https://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=35902432&appliance=EPS&nr=1
HA65NM190	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=26886270&appliance=EPS&nr=1
DA65NM190	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=24854598&appliance=EPS&nr=1
LA65NM190	External	http://oee.nrcan.gc.ca/pml-lmp/index.cfm?action=app.formHandler&operation=details-details&ref=25946862&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[4]

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 A:

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	2.2	0.4	22.2
ODD Accessing	-	-	-
Idle	2.2	0.4	22.2

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[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.

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.

Network Standby Classification	LoNA
Off/Standby - Watts	0.32
Network Standby - Watts	0.43
Number of Network Ports	1
Location of 'Physical' Network Ports	Wireless
Network Port Type	WLAN
Network Port(s) Activated or Deactivated	Network Port(s) "Activated"
Network Port Maximum Performance in GB/s	2.212Gbps
Communication protocol used by equipment	802.11abgn+acR2+ax MIMO 2x2
Description of how to assert Network Standby Mode	Information available @ www.dell.com/regulatory_compliance and/or www.dell.com/support
Sequence of events to trigger automatic assertion of Network Standby Mode	
Notes regarding operation of the equipment EX: how the user switches the equipment into network standby	
Default time for PM function to switch equipment into this mode	
Inactivity time required to enter Network Standby	
Re-activation trigger	
Measurement Method	

Appendix D: France Reparability Index

CALCUL DE L'INDICE DE RÉPARABILITÉ ET PRÉSENTATION DES PARAMÈTRES AYANT PERMIS DE L'ÉTABLIR	*Ordinateur portable*			
FICHE D'INFORMATION À TRANSMETTRE AUX DEMANDEURS **(cf. Article L. 541-9-2 du Code de l'environnement)**				
Nom ou marque commerciale du producteur ou de l'importateur	**Dell**			
Adresse du producteur ou de l'importateur	**1 Dell Way, Round Rock, TX 78682, United States**			
Référence du modèle donnée par le producteur ou l'importateur	**P30T**			
Date du calcul	**La "DATE D'ENTRÉE EN VIGUEUR" indiquée sur la première page de ce document**			
Critère	**Sous-critère**	**Note du sous-critère sur 10**	**Coefficient du sous critère**	**Note du critère sur 20**	**Total des notes des critères sur 100**
CRITÈRE 1 : DOCUMENTATION	1.1 Durée de disponibilité de la documentation technique et relative aux conseils d'utilisation et d'entretien	8.5	2	16.9	68.6
CRITÈRE 2 : DÉMONTABILITÉ, ACCÈS, OUTILS, FIXATIONS	2.1 Facilité de démontage des pièces de la liste 2*	9.3	1	19.3	
	2.2 Outils nécessaires (liste 2)	10.0	0.5		
	2.3 Caractéristiques des fixations entre les pièces de la liste 1** et de la liste 2	10.0	0.5		
CRITÈRE 3 : DISPONIBILITÉ DES PIÈCES DÉTACHÉES	3.1 Durée de disponibilité des pièces de la liste 2	7.1	1	12.4	
	3.2 Durée de disponibilité des pièces de la liste 1	7.1	0.5		
	3.3 Délais de livraison des pièces de la liste 2	3.3	0.3		
	3.4 Délais de livraison des pièces de la liste 1	3.3	0.2		
CRITÈRE 4 : PRIX DES PIÈCES DÉTACHÉES	4. Rapport prix des pièces de la liste 2 sur prix de l'équipement neuf	0	2	0	
CRITÈRE 5 : CRITÈRE SPÉCIFIQUE	5.1 Informations sur la nature des mises à jour	10.0	1	20.0	
	5.2 Assistance à distance sans frais	10.0	0.5		
	5.3 Possibilité de réinitialisation logicielle	10.0	0.5		
Note de l'indice sur 10					**6.9**

liste 2 : liste des 3 à 5 pièces détachées au maximum (selon la catégorie d'équipements concernée) dont la casse ou les pannes sont les plus fréquentes ;

**liste 1 : liste de 10 autres pièces détachées au maximum (selon la catégorie d'équipements concernée) dont le bon état est nécessaire au fonctionnement de l'équipement.*