


# THE ECO DECLARATION



## Annex B2 - Product environmental attributes Computers and computer monitors


The declaration may be published only when all rows and/or fields marked with \* are filled-in (n.a. for not applicable).  
Additional information regarding each item may be found under P15.

Brand *	<a href="#">Lenovo</a>	Logo 
Company name *	<a href="#">Lenovo</a>	
Contact information * e-mail address	<a href="#">Lenovo Global Environmental Affairs</a> <a href="#">Alvin L Carter</a> <a href="mailto:alcarter@lenovo.com">alcarter@lenovo.com</a>	
Internet site *	<a href="https://www.lenovo.com/us/en/sustainability-resources/">https://www.lenovo.com/us/en/sustainability-resources/</a>	
Additional information	<a href="#">The latest version of this document can be found at:</a> <a href="http://www.lenovo.com/ecodeclaration">http://www.lenovo.com/ecodeclaration</a>	

<b>The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.</b>	
Type of product *	<a href="#">Notebook Computer</a>
Commercial name *	<a href="#">ThinkPad L13/L13 Yoga Gen 4 AMD, ThinkPad S2/S2 Yoga Gen 8 AMD</a>
Model number *	<a href="#">21FN,21FQ,21FR,21FS,21FT,21FU</a>
Issue date *	<a href="#">2023-02-03</a>
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	


This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

<b>About Annex B2</b>
Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template: P4.1 – P4.3 Consumable materials P9.1 TEC and Print speed P10.2 - P10.3 Chemical emissions from printing products P11.1 - P11.3 Consumable materials for printing products.

Model number *	21FN,21FQ,21FR,21FS,21FT,21FU	Logo	
Issue date *	2023-02-03		


Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
<b>P1 Hazardous substances and preparations</b>				
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm <sup>2</sup> /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): <a href="https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure">https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P2 Batteries</b>				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional user", the related text is present and legible on the external packaging (see legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P3 Conformity verification &amp; Eco design (ErP)</b>				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address): <a href="https://www.lenovo.com/us/en/compliance/eu-doc">https://www.lenovo.com/us/en/compliance/eu-doc</a> for EU ; <a href="https://www.lenovo.com/us/en/compliance/uk-doc">https://www.lenovo.com/us/en/compliance/uk-doc</a> for UK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with the applicable Eco design requirements for energy-related products, (see legal reference). Required information is; <input checked="" type="checkbox"/> given in item P15 or added to this document, <input checked="" type="checkbox"/> available at (add URL): <a href="http://www.lenovo.com/ecodeclaration">http://www.lenovo.com/ecodeclaration</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P5 Product packaging</b>				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P6 Treatment information</b>				
P6.1*	Information for recyclers/treatment facilities is available ( <a href="https://lenovo.com/recycling">https://lenovo.com/recycling</a> ).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	21FN,21FQ,21FR,21FS,21FT,21FU	Logo	
Issue date *	2023-02-03		

Product environmental attributes - Market requirements (See General NOTE GN below)		Requirement met		
- Environmental conscious design		Yes	No	n.a.
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.			
<b>P7</b>	<b>Design</b>			
	<b>Disassembly, recycling</b>			
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Product lifetime</b>			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.9	Spare parts are available after end of production for: <b>5</b> years			<input type="checkbox"/>
P7.10	Service is available after end of production for: <b>5</b> years			<input type="checkbox"/>
	<b>Material and substance requirements</b>			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: <b>AL</b> Material type: <b>PC/ABS</b> Material type: <b>GCRF</b>			
P7.12	Insulation materials of external electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no 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 or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all <input type="checkbox"/> PCBs > 25 g <input checked="" type="checkbox"/> are low halogen as defined in IEC 61249-2-21.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according to ISO 1043-4: Marking: <b>FR(40)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.17	<u>Alt. 1:</u> Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input type="checkbox"/> (See NOTE B3), Other; chemical name: <b>168G2</b> , CAS #: <b>99208-50-1</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.18	<u>Alt. 1:</u> Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: " <u>Alt. 2:</u> Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: <b>FR(40)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.


Model number *	21FN,21FQ,21FR,21FS,21FT,21FU	Logo	
Issue date *	2023-02-03		

Product environmental attributes - Market requirements (continued)					Requirement met		
Item					Yes	No	n.a.
<b>Material and substance requirements (continued)</b>							
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6):				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If YES; at least one of the two alternatives below shall be answered;						
	a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is <b>15.38%</b> .						
	or						
	b) The weight of recycled material is <b>64.4</b> g.						
P7.21*	Biobased plastic material content is used in the product (See NOTE B7):				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If YES; at least one of the two alternatives below shall be answered;						
	a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.						
	or						
	b) The weight of the biobased plastic material is g.						
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg						
P7.23*	If product includes an integral display, the total mercury content in the integrated display: <b>0.0</b> mg				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>P8 Batteries</b>							
P8.1*	Battery chemical composition: <b>Lithium ion</b>						<input type="checkbox"/>
<b>P9 Energy consumption (See NOTE B8)</b>							
P9.1	For the product the following power levels or energy consumptions are reported:						
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *			<input type="checkbox"/>
<b>Peak (On-Max)</b>	<b>65</b> W	<b>65</b> W	<b>65</b> W	<b>Full Load</b>			
<b>Device Category 2</b>							
<b>Short Idle State – WOL Enabled (<math>P_{short\_idle}</math>)</b>	<b>4.860</b> W	<b>5.040</b> W	<b>4.368</b> W	<b>ENERGY STAR Computers V8.0</b>			
<b>Long Idle State – WOL Enabled (<math>P_{long\_idle}</math>)</b>	<b>0.636</b> W	<b>0.624</b> W	<b>0.708</b> W	<b>ENERGY STAR Computers V8.0</b>			
<b>Sleep (S3) – WOL Disabled (<math>P_{sleep}</math>)</b>	<b>0.636</b> W	<b>0.624</b> W	<b>0.708</b> W	<b>ENERGY STAR Computers V8.0</b>			
<b>Off Mode (S5) – WOL Disabled (<math>P_{off}</math>)</b>	<b>0.384</b> W	<b>0.396</b> W	<b>0.480</b> W	<b>ENERGY STAR Computers V8.0</b>			
PTEC *	W	W	W				<input checked="" type="checkbox"/>
ETEC *	<b>14.27</b> kWh/year	<b>14.64</b> kWh/year	<b>13.72</b> kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.45 + P_{sleep} \times 0.05 + P_{long\_idle} \times 0.15 + P_{short\_idle} \times 0.35)$			<input type="checkbox"/>
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * : <b>VI</b>				<b>International Efficiency Marking Protocol (IEMP) for External Power Supplies</b>			<input type="checkbox"/>
Display resolution * : <b>2.304</b> megapixels				<b>1920*1200</b>			<input type="checkbox"/>
Default time to enter energy save mode: <b>5</b> minutes				<b>ENERGY STAR Computers V8.0</b>			<input type="checkbox"/>
P9.2*	Information about the energy save function is provided with the product.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3	Energy efficiency class (monitors only):						<input checked="" type="checkbox"/>

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

Model number *	21FN,21FQ,21FR,21FS,21FT,21FU	Logo	
Issue date *	2023-02-03		

Product environmental attributes - Market requirements (continued)			Requirement met		
Item			Yes	No	n.a.
<b>P10 Emissions</b>					
<b>Noise emission</b> – Declared according to ISO 9296 (See NOTE B9)					
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,C}$ (B)		
	Idle	* <i>Idle Mode</i>	* 2.7	<input type="checkbox"/>	
	Operation	* <i>Operating (CPU)</i>	* 3.3	<input type="checkbox"/>	
	Other Mode	<i>Declared A-weighted sound pressure level (dB)</i>		<i>NA (operator position desktop – idle)</i>	
	Other mode	<i>Declared A-weighted sound pressure level (dB)</i> $L_{pAm}$		<i>NA (operator position desktop – operating-HDD/SSD)</i> <i>NA (operator position desktop – operating-CPU)</i>	
	Measured according to:		<input checked="" type="checkbox"/> ISO 7779 <input checked="" type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74)		
<b>Electromagnetic emissions</b>					
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s): <i>MPR-II(3 pin AC adapter only)</i>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P12 Ergonomics for computing products</b>					
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P13 Packaging and documentation</b>					
P13.1*	Product packaging material type(s): <i>Cardboard</i> weight (kg): <i>0.344</i> Product packaging material type(s): <i>Paper</i> weight (kg): <i>0.127</i>				
P13.2*	Product plastic primary packaging is free from PVC.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: <i>60 %</i>				<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/>				<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:  Totally chlorine-free Elemental chlorine-free Processed chlorine-free		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>P14 Voluntary programs</b>					
P14.1	The product meets the requirements of the following voluntary program(s):				
	ENERGY STAR®	Criteria version: <i>V8</i>	Date: <i>2022/12/09</i>	Product category: <i>2</i>	
	Eco-label: <i>EPEAT</i>	Criteria version: <i>IEEE 1680.1-2018</i>	Date: <i>2023/2/24</i>	Product category: <i>Notebook</i>	
	Eco-label: <i>TCO</i>	Criteria version: <i>9.0</i>	Date: <i>2023/3/31</i>	Product category: <i>Notebook</i>	
<b>P15 Additional information (See NOTE B10)</b>					
<b>P9</b>	<i>Energy consumption of computer products; description of the tested product configuration:</i>				

NOTE B9 A Guidance document on Acoustic Noise is available;  
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

## Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive)* * Specific exemptions apply for certain products and applications.	P1.1, P3.1
Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers	P2.4, P2.5, P3.1, P3.2, P7.23, P9.1
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)  Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register.  Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	P6.1

# Lenovo ErP Lot26 Information Sheet

## - Network Equipment -


As required by\_

- Commission Regulation (EC) No 1275/2008 of 17 December 2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off-mode electric power consumption of electrical and electronic household equipment (ErP Lot 6)
- Commission Regulation (EU) No 801/2013 of 22 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for (ErP Lot 26).

### Products scope of this sheet:

Notebook/Tablet Computer < 6 W Idle

This document is only valid in connection with the IT Eco Declaration of the specific Product.

Commercial name	<i>ThinkPad L13/L13 Yoga Gen 4 AMD, ThinkPad S2/S2Yoga Gen 8 AMD</i>	
Model Number	<i>21FN,21FQ,21FR,21FS,21FT,21FU</i>	
Product Type	<i>Notebook Computer with Idle Power &lt; 6 W</i>	
Issue Date	<i>2023-02-03</i>	
Additional information		

### P7.1.1 Product environmental attributes

(1) year of manufacture:

*2023*

(2)	Network Standby Classification	<i>LoNA Equipment</i>
	Off Mode Power (Watts)	<i>0.40 Watts</i>
	Standby Mode	<i>Watts</i> <input checked="" type="checkbox"/> Mode Not Applicable <i>minutes Default Delay Time</i>
	Description of how to enable Network Standby Mode	<i>Network Standby Mode is enabled at Shipment</i>
	Description of how to manually enter Network Standby Mode	<i>1) Press the Power Button once 2) Click on the Power Button and choose Sleep</i>
	Default Delay time to Network Standby Mode	<i>7.5 minutes</i>
	Reactivation Function from Network Standby Mode	<i>Open Notebook, Press Keyboard or power button, activate USB</i>

(3)	Network Port	Wired Ethernet	Wireless Ethernet	USB-A	USB-C	HDMI	BlueTooth	Other: <b>Nano-SIM</b>
	Present in Product	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Activated at Shipment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Active in Network Standby Mode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Location of Network Port	<b>N/A</b>	<b>N/A</b>	<b>Left and Right</b>	<b>Left and Right</b>	<b>Right</b>	<b>N/A</b>	<b>Left</b>
	Network Port Maximum Performance	GB/s	<b>0.15GB/s</b>	GB/s	GB/s	GB/s	GB/s	GB/s
	Network Protocol		<b>Wi-Fi 6; 802.11ax</b>	<b>USB 3.2 Gen 1</b>	<b>USB 3.2 Gen 2</b>		<b>BT5.2</b>	<b>4G</b>
	Network Standby Mode Power	Watts	<b>0.62Watts</b>	Watts	Watts	Watts	Watts	Watts
	Network Standby Power – All Active Connections	<b>0.62Watts</b>						

Additional Information

**Instructions on connecting to and disconnecting from wireless networks is included in the User Manual**

(4)	Test parameters for measurements,	
	ambient temperature,	<b>24.8</b> degree Celsius
	test voltage in V and frequency in Hz,	<b>230 V / 50 Hz</b>
	total harmonic distortion of the electricity supply system,	<b>&lt;2%</b>
	information and documentation on the instrumentation, set-up and circuits used for electrical testing	<b>Yokogawa WT310</b>

(3)	External power supply efficiency (if applicable)*:																																																															
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(4)	Measurement methodology used to determine information mentioned in points (5) – external PSU efficiency: <b>EN 50563:2011/A1:2013</b>
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**Additional information**