

Annex B2 - Product environmental attributes Servers/Data Storage Products

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.

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Company name *	Lenovo						
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Additional information	The latest version of this document can be found at:						
	http://www.lenovo.com/ecodeclaration						

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.					
Type of product * Server					
Commercial name *	Lenovo Flex System Enterprise Chassis				
Model number *	8721				
Issue date *	Jan 18, 2021				
Intended market *	🔀 Global 📃 Europe 🗌 Asia, Pacific & Japan 🗌 Americas 🗌 Other				
Additional information					

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

About Annex B2

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 * Issue date *	8721 Jan 18, 2021	Logo	Lenovo.
Dreduct environ	mentel ettributes. Legal reguiremente		Dequirement met

Product	Require	men	t met	
ltem		Yes	No	N/A
P1	Hazardous substances and preparations			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	\boxtimes		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	\boxtimes		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	\square		
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in th chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	e 🔀		
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm ² /weel (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	< 🔀		
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): https://www.lenovo.com/us/en/sustainability-resources	\square		
P2	Batteries			
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)	\boxtimes		
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See lega reference)	I 🛛		
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	\boxtimes		
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)			
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)			\square
P3	Conformity verification & Eco design (ErP)			
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: https://www.lenovo.com/us/en/compliance/eu-doc	\boxtimes		
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference).			\boxtimes
	Required information is; given in item P15 or added to this document, available at: https://www.lenovo.com/us/en/compliance/eco-declaration	\boxtimes		
P5	Product packaging			
P5.1*	Product packaging Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium ar	id 🔀	_	
1 0.1	hexavalent chromium by weight of these together.	• 🖂		
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(used (see legal reference).	s) 🔀		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protoc (see legal reference). Comment: Legal reference has no maximum concentration values.	ol 🔀		
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).			

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 nu	umber *	8721	Logo						
Issue date * Jan 18, 2021		Jan 18, 2021		Len	ovo				
Product environmental attributes - Market requirements (See General NOTE GN below)									
	- Environmental conscious design				Requirement met				
Item P7		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	N/A			
P7.1*		Disassembly, recycling It have to be treated separately are easily separable		\square					
P7.2*		naterials in covers/housing have no surface coating.				\dashv			
P7.3*		arts > 100 g consist of one material or of easily separable materials.				╞			
P7.4*									
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	available tools		╞	╞			
P7.6*						<u> </u>			
17.0	Product								
P7.7*		ing can be done e.g. with processor, memory, cards or drives							
P7.8*		ig can be done using commonly available tools			╞	╞			
P7.9		arts are available after end of production for: years				-#-			
P7.10		s available after end of production for: years				<u> </u>			
F7.10									
P7.11*		and substance requirements cover/housing material type (e.g. plastics, metal, aluminum):							
			al type:						
P7.12		n materials of external electrical cables are PVC free.			\square				
P7.13	Insulatio	n materials of internal electrical cables are PVC free.		<u> </u>					
P7.14									
P7.15	Printed c	ircuit boards, PCBs (without components) are low halogen: all PCBs > 25 g ed in IEC 61249-2-21. (See ⁵ NOTE B2)	are low halog	en	\boxtimes				
P7.16		tarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:		\boxtimes					
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without c additive), TBBPA (reactive) 🔀 (See NOTE B3), Other: chemical name:	omponents): , CAS #:						
		nemical specifications of flame retardants in printed circuit boards (without compon g ISO 1043-4: <i>FR</i> (16)	ents) > 25 g						
P7.18	concentr 1. Chemi 2. Chemi	ame retarded plastic parts > 25 g contain the following flame retardant substance ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: " ical name: , CAS #: "	es/preparations	in					
		nemical specifications of flame retardants in plastic parts > 25 g according ISO 104							
P7.19	•	parts > 25 g, flame retardant substances/preparations above 0,1% are used which	n have been						
	Ũ	I the following Risk phrases; and Hazard statements:							
P7.20*		ce(s) for these classifications is/are found at (add URL(s)): , (S sumer recycled plastic material content is used in the product (See Note B6):	See note B5)						
	a) Oft ape or	t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material conter ercentage of total plastic by weight) is 30% . e weight of recycled material is g.	t (calculated as	3					

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.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>.

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

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.

Model number *	8721	Logo	Lenovo			
Issue date *	Jan 18, 2021					
Product environmental attributes - Market requirements (continued) Requirement m						

Requirement metYesNoN/A

	Material and su	bstance requirements	(continued)				
P7.21*		material content is used)TE B7)			
	-			-			
		one of the two alternative			tad as a narrantage of		
		stic parts' weight > 25 g, by weight) is %.	the biobased plastic ma	aterial content (calcula	leu as a percentage or		
	or	by worging to 70.					
		of the biobased plastic r					
P7.22*		e free from mercury, i.e.					
D7.00*		d specify: Number of lan		um mercury content pe			
P7.23*	•	es an integral display, the	e total mercury content	in the integrated displa	ay: mg		
P8	Batteries						
P8.1*	,	composition: Lithium N	langanese Dioxide				
P9		ption (See NOTE B8)					
P9.1 Energy mo		he following power level Power level at	s or energy consumption Power level at	Power level at	Reference/Standard	for oner	
Energy mo	de	100 V AC	115 V AC	230 V AC	modes and test meth		ду 🔀
Peak (On-	max)	W	W	W	Full load	00	
-		••	••	••			
Categor							
EPS No-loa		W	W	W			\square
· ·	ower supply /						
0 1	ugged in the wall disconnected from						
the product							
PTEC *		W	W	W			\boxtimes
	ergy Consumption						
ETEC *		kWh/year	kWh/year	kWh/year			\boxtimes
	ergy Consumption			() *			
		ency Level (International	Efficiency Marking Pro				
Display res		megapixels					
	e to enter energy	save mode: minut	tes				\square
P9.2*	Information abou	it the energy save function	on is provided with the	product.			
P9.3	Energy efficiency	/ class (monitors only):					\square
P10	Emissions						
		 Declared according to 	ISO 9296 (See NOTE				
P10.1	Mode	Mode description		Statistical upper limi	t A-weighted sound pov	wer level, L	_{WA,c} (В)
	Idle	^		Â			
	Operation	*		*			
	Other mode	Declared A-weighted sound	d pressure level (dB) $L_{p{\sf Am}}$	(operator pos	sition desktop – idle)		
Other mode Declared A-weighted sound pressure level (de		d pressure level (dB) L_{pAm}	(operator pos	sition desktop – operatin	g)		
	Measured accor	dina to: ISO 7779	ECMA-74				
	Other (only if not covered by ECMA-74)						
	Electromagneti						
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary						

Item

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

NOTE B9 A Guidance document on Acoustic Noise is available;

 $see \ \underline{http://www.ecma-international.org/publications/standards/Ecma-370.htm}$

Model nu	imber *	8721				Logo			
Issue dat	te *	Jan 18, 2021				-	Lenc	OVO	ти
Product	environr	nental attribut	es - Market require	ments (continued	d)	•	Require	ment	met
Item							Yes	No	N/A
P12		mics for compu							
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.								
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.								
P13		ng and docume							
P13.1*	Product		ial type(s): <i>Carton, cor</i> ial type(s): <i>Pallet</i> ial type(s): <i>EPE</i>	rugated board weight (kg): 8.5 weight (kg): 1.2	weight (kg): 4				
P13.2*			ackaging is free from P	VC.				\square	
P13.3*		luct primary cor er recovered fibe	rugated fiberboard pac r content: 41 %	kaging, specify the	contained percentage	e of minimum	n post-		
P13.4*		media for user a ronic, ⊠Paper,	nd product documentatio	on (tick box):					
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free:								
	Totally chlorine-free								
	Process	ed chlorine-free					H		
P14	Volunta	ry programs							
P14.1			equirements of the follow	ving voluntary progr	am(s):				
	ENERG Eco-labe Eco-labe		Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product	category: category: category:			
P15	Additio	nal information	(See NOTE B10)						
P9			f computer products;						
	the info supplie informa	rmation contain r's knowledge a tion. The inforn	no representations, g ed in this document. / vailable at the time of nation provided here is e for more information	All information pro completion, and s s approximate and	vided by supplier in upplier shall have no	this docume obligation to	nt is provided o update such	based	d on
P9	See Ene	ergy Star Qualif	ed Enterprise Servers .gov/products/data_ce	for the latest infor					

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)	P6.1
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.	