



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.

Brand *	Lenovo ThinkSystem	Logo
Company name *	Lenovo	
Contact information *	Lenovo DCG Storage Development	
e-mail address	Rick Lin	
	Lenovo Taiwan Branch	Lenovo
	8F., No. 66, Sanchong Rd.,	
	Nangang Dist., Taipei City, Zipcode: 11502	
	Rlin12@lenovo.com	
Internet site *	https://www.lenovo.com/us/en/about/sustainability	
Additional information	The latest version of this document can be found at:	
	http://www.lenovo.com/ecodeclaration	

	based on product specification or test results based obtained from sample testing), that the product nts given in this declaration.
Type of product *	Data Storage
Commercial name *	V3700 V2, V3700 V2 XP
Model number *	6535
Issue date *	02/20/2020
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 nu	mber *	6535	Logo	Lon		
Issue dat	e *	02/20/2020		Len	DVC	D _{TM}
Product	environ	mental attributes - Legal requirements		Require	menf	met
Item				Yes	No	N/A
P1		ous substances and preparations				
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	B1)	\boxtimes		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.				
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no mation values.				
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych l (PCT) in preparations (see legal reference).	lorinated	\boxtimes		
P1.5*		s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carl ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	oon atoms in th	e 🔀		
P1.6*	(see lega	th direct and prolonged skin contact do not release nickel in concentrations above 0 al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.),5 μg/cm²/weel	k 🔀		
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail ww.lenovo.com/us/en/sustainability-resources	contact):	\boxtimes		
P2	Batterie	· · · · · · · · · · · · · · · · · · ·				
P2.1*	If the pro	oduct contains a battery or an accumulator, the battery/accumulator is labeled with build information on proper disposal is provided in user manual. (See legal reference)	he disposal			
P2.2*		or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadm	nium. (See lega	ı 🖂		
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)		\boxtimes		
P2.4*	Docume	ntation includes the number of cycles the (secondary) battery can withstand. (See I	egal reference)			
P2.5*		ternal batteries of a notebook computer cannot be "accessed and replaced by a no e related text is present and legible on the external packaging (see legal reference)	nprofessional			
P3		nity verification & Eco design (ErP)				
P3.1*		duct is CE-marked to show conformance with applicable legal requirements (see legal requirements) duration of Conformity can be requested at: https://www.lenovo.com/us/en/compliar				
P3.2*		duct complies with the Eco design requirements for energy-related products, al reference).		\boxtimes		
	Required	d information is; given in item P15 or added to this document, available at: https://www.lenovo.com/us/en/compliance/ea/	eco-declaration			
P5	Product	packaging	oo doolaration			
P5.1*	Packagii	ng and packaging components do not contain more than 0,01% lead, mercurent chromium by weight of these together.	y, cadmium ar	nd 🔀		
P5.2*	The pac	kaging materials are marked with abbreviations and numbers indicating the nature is legal reference).	of the material(s) 🔀		
P5.3*	(see lega	duct packaging material is free from ozone depleting substances as specified in the Nal reference). In the standard of the Nal reference has no maximum concentration values.	nontreal Protoc	ol 🔀		
P6		nt information				

Information for recyclers/treatment facilities is available (see legal reference).

P6.1*

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 *	6535	Logo	Lanava
Issue date *	02/20/2020		Lei IOVO,

Product	environmental attributes - Market requirements (See General NOTE GN below)			
	- Environmental conscious design	Require	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	N/A
P7	Design, Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable			
P7.2*	Plastic materials in covers/housing have no surface coating.	\boxtimes		
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	\boxtimes		
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	\boxtimes		
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	\boxtimes		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\boxtimes		
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives			
P7.8*	Upgrading can be done using commonly available tools	\boxtimes		
P7.9	Spare parts are available after end of production for: 5 years			
P7.10	Service is available after end of production for: 5 years			
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):			
	Material type: Metal (Steel) Material type: PC ABS Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.		\boxtimes	
P7.13	Insulation materials of internal electrical cables are PVC free.		\times	
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, an 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.	d		
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low haloge as defined in IEC 61249-2-21. (See ⁵ NOTE B2)	n 🔲		
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:			
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other: chemical name: , CAS #:			
	<u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:			
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: "	n 🔲		\boxtimes
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:			\boxtimes
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:			
D7 00*	The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)			
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6): 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 %. or b) The weight of recycled material is g.			

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 http://www.ecma-international.org/publications/standards/Ecma-370.htm.

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 *	6535	Logo	Lonovo
Issue date *	02/20/2020		Leilovo

Product environmental attributes - Market requirements (continued)	Requi	remer	nt met
Item	Yes	No	N/A

	Material and and		/				
P7.21*		bstance requirements material content is used)TE D7):			1 🔽
F1.Z1	•			•			
	· ·	ne of the two alternative		•			
		tic parts' weight > 25 g, bv weight) is %.	the biobased plastic ma	aterial content (calcula	ited as a percentage of		
	or	by weight) is %.					
		of the biobased plastic r	material is q.				
P7.22*		free from mercury, i.e.					1 🕅
	If mercury is use	d specify: Number of lar	nps: and maximu	ım mercury content pe			. 2
P7.23*	If product includes an integral display, the total mercury content in the integrated display: mg						
P8	Batteries						
P8.1*	Battery chemical	composition: Li-ion, Lit	thium Manganese Diox	ride			
P9	Energy consum	ption (See NOTE B8)					
P9.1	For the product t	he following power level	s or energy consumption	ns are reported:			
Energy mo	de *	Power level at	Power level at	Power level at	Reference/Standard		у
		-48 V DC	115 V AC	230 V AC	modes and test method	od *	
Peak (On-	max)	421 W	403 W	389 W	Full load		
Categor	V						
EPS No-loa		W	W	W			
	ower supply /						
	ugged in the wall						
	lisconnected from						
the product	t.)						
PTEC *	aray Canay mention	W	W	W			\boxtimes
ETEC *	ergy Consumption	kWh/year	kWh/year	kWh/year			
	ergy Consumption	Kvvii/yeai	Kvvii/yeai	KVVII/yeai			
		ency Level (International	Efficiency Marking Pro	tocol) *:			\boxtimes
Display res		negapixels	<u> </u>				
. ,	e to enter energy	0 1	tes				
P9.2*		t the energy save function		product			
P9.3		class (monitors only):	on is provided with the p	oroduot.			
	<u> </u>	class (monitors only).					
P10	Emissions	 Declared according to 	ISO 9296 (See NOTE	R9)			
P10.1	Mode	Mode description	7100 0200 (000 11012		it A-weighted sound pow	ver level. L	/Δ c (B)
	Idle	* Idle		* 6.2	reiginea eeana pen	0. 10101, 27	7,0 (2)
	Operation	* Typical loading		* 6.2			
	Other mode	Declared A-weighted soun	d pressure level (dB) I	(operator po	sition desktop – idle)		
	Other mode	Declared A-weighted soun	d pressure level (dB) L_{pAm}	(operator po	sition desktop – operating	1)	
	Measured accord	ding to: 🔀 ISO 7779 🗌	ECMA-74				
		Other	(only if not covered by	ECMA-74)			
	Electromagneti	c emissions	` · ·	,			
P10.4	Computer displa	y meets the requiremen	t for low frequency elect	tromagnetic fields of th	ne following voluntary		
	program(s):						

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 http://www.ecma-international.org/publications/standards/Ecma-370.htm

Model nur	nber *	6535					Logo	Lope	1/0	
Issue date	*	02/20/2020						Leno	VO	тм
Product	environn	nental attributes	- Market requiren	nents (cont	inued)			Require	ment	met
Item			•	•				Yes	No	N/A
P12	Ergonor	nics for computing	g products							
P12.1*	The disp	lay meets the ergor	nomic requirements of	of ISO 9241-3	07 for visual	l display technolo	gies.			\boxtimes
P12.2*	The phys	sical input device m	eets the requirements	s of ISO 9995	and ISO 92	241-410.				\boxtimes
P13		ng and documenta								
P13.1*	Product Product Product Product	packaging material packaging material packaging material packaging material	type(s): Wood type(s): LDPE type(s): EPE	weight (kg) weight (kg) weight (kg) weight (kg) weight (kg)	0.10 4.00 0.05					
P13.2*	Product	plastic primary pack	caging is free from PV	/C.						
P13.3*		luct primary corruger recovered fiber co	ated fiberboard pack ontent: 22 %	kaging, speci	fy the conta	ained percentage	of minimum	post-		
P13.4*			oroduct documentatio Other	on (tick box):						
P13.5	Ùser and		tem if paper documen ation on paper media		ee:					
	Element	hlorine-free al chlorine-free ed chlorine-free								
P14	Volunta	ry programs								
P14.1	·	•	irements of the follow	ving voluntary	program(s):	:				
		Y STAR®	Criteria version:		Date:		category:			
	Eco-labe Eco-labe		Criteria version: Criteria version:		Date: Date:		category:			
P15		nal information (Se			Date.	Floduct	category:			
P9			omputer products; d	description o	f the tested	l product confia	uration:			
- P0	NOTE: S the info supplier informat Account	Supplier makes no rmation contained ''s knowledge avai tion. The informati t Representative fo	representations, gu in this document. A lable at the time of c on provided here is or more information.	uarantees, as All informatio completion, a approximate	surances on provided and supplie and provi	br warranties wh by supplier in t er shall have no ded for informat	ether express his document obligation to	is provided update such	based	on
P9			Enterprise Servers							

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.	

Lenovo ErP Lot9 Information Sheet - Servers & Storage Products-

As required by COMMISSION REGULATION (EU) 2019/424 of 15 March 2019 laying down ecodesign requirements for servers and data storage products pursuant to Directive 2009/125/EC of the European Parliament and of the Council and amending Commission Regulation (EU) No 617/2013. (ErP Lot9)

Products scope of this sheet: Servers & storage products

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

SERVERS

General information			
Commercial name (3.1 (b))	V3700 V2, V3700 V2 XP	Logo	
Contact Address (3.1 (b))			
Model Number (3.1 (c))	6535		Lenovo
Issue Date	02/20/2020		
Additional information			

Product e	environmental attributes (EU) 2019/424 – Annex II points 3.1 and 3.3
1.a	Is product considered to be in scope of ErP Lot 9 un scope of scope, product is out of scope as: Fully fault
	tolerant server
1.b	Server type Rack Server High Performance Computing (HPC)
(3.1 (a))	Tower Server Multi Node Server
	Blade Server Data Storage product (Please go to "DATA STORAGE PRODUCTS" section
1.c	Year of manufacture:
(3.1 (d))	
1.d	Product model part of a server product family? No Yes
(3.1 (p))	List of all model configurations that are represented by the model:
1.e	Information on the secure data deletion functionality
(3.1 (n))	(a) instructions on how to use the functionality:
	(b) techniques used:
	(c) supported secure data deletion standard (if any):
4.6	OR - Reference to other information:
1.f	Blade servers? No Yes
(3.1 (o))	list of recommended combinations with compatible chassis:
Recycling	g Data
2.a	Indicative weight range at component level, of the (a) Cobalt in the batteries (b) Neodymium in the HDDs
(3.3 (a))	following critical raw materials:
	between 5 g and 25 g between 5 g and 25 g
	above 25 g
2.b	Instructions on the disassembly operations
(3.3 (b))	(a) the type of operation;
	(b) the type and number of fastening technique(s) to be unlocked;
	(c) the tool(s) required.
	OR - Reference to other information:
2.c	Firmware
	Reference to information on last available firmware:
Additional	Information

DATA STORAGE PRODUCTS

Commercial name (3.2 (b))	V3700 V2, V3700 V2 XP	Logo
Contact Address (3.2 (b))	Lenovo DCG Storage Development Rick Lin Lenovo Taiwan Branch 8F., No. 66, Sanchong Rd., Nangang Dist., Taipei City, Zipcode: 11502 Rlin12@lenovo.com	Lenovo
Model Number (3.2 (c))	6535	
Issue Date	02/20/2020	
Additional information		

Product	environmental attributes (EU) 2019/424 – Annex II points 3.2 and 3.3		
A.1	Is the product consider to be in scope of ErP Lot 9 in scope of out of scope Product is out of scope as: Fully fault tolerant server		
A.2 (3.2 (a))	Data Storage type Online Data Storage Product Small Data Storage Product Data Storage Product Other:		
A.3 (3.2 (d))	Year of manufacture: 2017		
A.4	PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power		
(3.2 (e))	(expressed in % and rounded to the first decimal place): Multi-output Single-output 10% 20% 91.9 50% 94.3 100% 92.7 Average		
A.5 (3.2 (f))	Power factor at 50 % of the rated load level (rounded to three decimal places) 0.974		
A.6 (3.2 (g))	Operating condition class A1 A2 A2 A3 A4 (as defined in Table 6 or ErP lot 9)		
	Exception comments		
	This product has been tested in order to verify that it will function within the boundaries (such as temperature and humidity) of the declared operating condition class.		
A.6 (3.2 (h))	Information on the secure data deletion tool(s) (a) instructions on how to use the functionality:		
	(b) techniques used:		
	(c) supported secure data deletion standard (if any):		
	OR - Reference to other information:		
RECYC	LING DATA		
B.1 (3.3 (a))	Indicative weight range at component (a) Cobalt in the batteries (b) Neodymium in the HDDs level, of the following critical raw		
	materials:		
	between 5 g and 25 g between 5 g and 25 g		
	above 25 above 25		
B.2 (3.3 (b))	Instructions on the disassembly operations (a) the type of operation; (b) the type and number of fastening technique(s) to be unlocked; (c) the tool(s) required.		
	OR - Reference to other information: IBM Knowledge center: Storwize V5000 gen2 series: Removing and replacing parts: https://www.ibm.com/support/knowledgecenter/en/STHGUJ_8.3.0/com.ibm.storwize.tb5.830.doc/tbrd_rmvrplparts_1955 wm.html		
B.3	Firmware		
	Reference to information on last available firmware:		
	https://datacentersupport.lenovo.com/tw/zh/products/storage/lenovo-storage/v3700v2/6535/downloads/driver-list/		
	After EOL'ed, firmware would be available at:		
	https://download.lenovo.com/eol/index.html		
Additiona	al information		