



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	Logo	
Company name *	Lenovo	1 1	_
Contact information *	Lenovo Global Environmental Affairs	1	Lenovo
e-mail address	Alvin L Carter		LEITOVO
	alcarter@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		

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 ThinkSystem SR650 V2			
Model number *	7Z72, 7Z73, 7D15, 7D3Z			
Issue date *	2021-06-21			
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 nui	7 7 7 7		Logo	Long	N/6	
Issue date	e *	2021-06-21		Lenc	JVC) _{TH.}
Product	environ	mental attributes - Legal requirements		Require	ment	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)			
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.		\boxtimes		
P1.3*		s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),		\boxtimes	$\overline{}$	
1 1.0	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*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych	lorinated	\square		
		I (PCT) in preparations (see legal reference).	iorinatoa		ш	
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).					
P1.6*		th direct and prolonged skin contact do not release nickel in concentrations above 0	,5 μg/cm²/wee	ek 🔀	П	
	(see lega	al reference).	, 10		_	
D4 7*		nt: Max limit in legal reference when tested according to EN1811:2011-5.	44		$\overline{}$	
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure					
P2	Batterie	S				
P2.1*		duct contains a battery or an accumulator, the battery/accumulator is labeled with t Information on proper disposal is provided in user manual. (See legal reference)	he disposal			
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)					
P2.3*		and accumulators are readily removable. (See legal reference)		X	П	
P2.4*	Docume	ntation includes the number of cycles the (secondary) battery can withstand. (See I	egal reference	_	Ħ	X
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)					
P3		nity verification & Eco design (ErP)				
P3.1*		duct is CE-marked to show conformance with applicable legal requirements (see legal requirements) (see legal requirements				
P3.2*	The prod	duct complies with the Eco design requirements for energy-related products,		\boxtimes		
		al reference).				
	Required	d information is; given in item P15 or added to this document,			Ш	ш
	declarat	available at: https://www.lenovo.com/us/en/complian	ce/eco-			
P5		packaging				
P5.1*		ng and packaging components do not contain more than 0,01% lead, mercury	y, cadmium a	nd 🔀	П	
		ent chromium by weight of these together.				
P5.2*		kaging materials are marked with abbreviations and numbers indicating the nature one legal reference).	of the material	(s) 🔀		
P5.3*		luct packaging material is free from ozone depleting substances as specified in the N al reference).	Montreal Protoc	col 🔀		
		nt: Legal reference has no maximum concentration values.				
P6	Treatme	nt information		•		
P6.1*	Informati	on 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.

wodei nu	ımber "	7Z72, 7Z73, 7D15, 7D3Z	Logo	and	21/0	
Issue dat	:e *	2021-06-21		_enc		114
	- Enviro	mental attributes - Market requirements (See General NOTE GN bonnental conscious design		equirer		
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	N/A
P7		Disassembly, recycling			_	
P7.1*		t have to be treated separately are easily separable			<u>Ц</u>	Ц_
P7.2*		naterials in covers/housing have no surface coating.		\boxtimes		
P7.3*	Plastic p	arts > 100 g consist of one material or of easily separable materials.		\boxtimes		
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		\boxtimes		
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	vailable tools.	\boxtimes		
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).		\boxtimes		
	Product					
P7.7*		ng can be done e.g. with processor, memory, cards or drives		\boxtimes		
P7.8*		ng can be done using commonly available tools		\boxtimes		
P7.9	_ ' '	arts are available after end of production for: years				
P7.10	Service i	s available after end of production for: years				
		and substance requirements				
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum): type: <i>Metal</i> Material type: <i>Plastic</i> Materia	I type:			
P7.12	Insulatio	n materials of external electrical cables are PVC free.				X
P7.13	Insulatio	n materials of internal electrical cables are PVC free.			\boxtimes	
P7.14	weight (plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) br 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in 25% post-consumer recycled content.	retardants, and			
P7.15		circuit boards, PCBs (without components) are low halogen: all ☐ PCBs > 25 g ☐ ed in IEC 61249-2-21. (See ⁵NOTE B2)	are low halogen			
P7.16	Marking:					
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without co additive) , TBBPA (reactive) (See NOTE B3), Other: chemical name:	omponents): , CAS #:			
	accordin	nemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4:				
P7.18	concentr 1. Chem 2. Chem	ame retarded plastic parts > 25 g contain the following flame retardant substances ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: " ical name: , CAS #: "	s/preparations in			
	Alt. 2: Ch	nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043	3-4:			
P7.19	assigned	parts > 25 g, flame retardant substances/preparations above 0,1% are used which I the following Risk phrases; and Hazard statements:				
P7.20*		ce(s) for these classifications is/are found at (add URL(s)): , (Sesumer recycled plastic material content is used in the product (See Note B6):	ee note B5)			
	If YES; a a) Of t a pe	It least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material content ercentage of total plastic by weight) is %. weight of recycled material is g.	(calculated as			

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 *	7Z72, 7Z73, 7D15, 7D3Z	Logo	10	n	OVC	
Issue date *	2021-06-21		Le	110		тн
Product environn	nental attributes - Market requirements (continued)		Re	quir	emen	t met
Item			Y	es	No	N/A

P7.21*		bstance requirements (material content is used		TF B7):			
1 7.21					L		Ш
	a) Of total plas	one of the two alternatives stic parts' weight > 25 g, t by weight) is %.			ited as a percentage of		
	or	of the biobased plastic m	naterial is a				
P7.22*		e free from mercury, i.e. I				\overline{A}	
		d specify: Number of lam	ps: and maximur	m mercury content pe	er lamp: mg	<u> </u>	
P7.23*	If product include	es an integral display, the	total mercury content in	n the integrated displa	ay: mg		\boxtimes
P8	Batteries						
P8.1*		composition: Lithium M	anganese Dioxide				
P9		ption (See NOTE B8)					
P9.1		the following power levels		s are reported: Power level at	Deference/Otenderd for		
Energy mo		Power level at 100 V AC	Power level at 115 V AC	230 V AC	Reference/Standard for modes and test method *		\boxtimes
Peak (On-	max)	W	W	W	Full load		
Categor	V						-
EPS No-loa		W	W	W			
(External p	ower supply /						
	igged in the wall						
	lisconnected from						
the produc	ı. <i>)</i>	W	W	W			
	ergy Consumption		**	**			
ETEC *		kWh/year	kWh/year	kWh/year			\boxtimes
	ergy Consumption			1) +			
		ency Level (International	Eπiciency Marking Prote	ocol) * :			
Display res		megapixels					
	e to enter energy						_ <u>_</u>
P9.2*		it the energy save function	on is provided with the p	roduct.			_ <u>_</u> _
P9.3		y class (monitors only):					\boxtimes
P10	Emissions	- Declared according to	ISO 0206 (See NOTE E	201			
P10.1	Mode	Mode description	130 9290 (See NOTE E		it A-weighted sound power l	level / wa.	(B)
	Idle	* Typical Configuration		* 5.9	tre weighted deand pewer i	TO TOT, EWA,	
	Operation	* Typical Configuration		* 6.2			$\overline{}$
		(Stress CPU to 80% TDP of TDP)	or Stress GPU to				ш
	Idle	* GPU Rich Configuration	1	* 7.2			
	Operation	* GPU Rich Configuration (Stress CPU to 80% TDP of		* 8.5			
		TDP)					
	Idle	* Storage Rich Configurat * Storage Rich Configurat		* 7.5 * 7.6			
	Operation	(Stress CPU to 80% TDP of TDP)		7.0			
	Other mode	Declared A-weighted sound		(operator po	sition desktop – idle)		
	Other mode	Declared A-weighted sound	I pressure level (dB) $L_{p m Am}$	(operator po	sition desktop – operating)		_
	Measured accor	ding to: ISO 7779 Other	ECMA-74 (only if not covered by E	ECMA-74)			
	Electromagneti		, ,				
P10.4	Computer displa	y meets the requirement	for low frequency electr	omagnetic 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*	7Z72, 7Z73, 7D15,	7D3Z				Logo	Lond		
Issue date	*	2021-06-21						Lend		м
Product (environr	nental attributes	- Market requi	irements (conti	nued)			Require	ement	
Item								Yes	No	N/A
P12		mics for computing								
P12.1*	The disp	lay meets the ergon	omic requiremen	nts of ISO 9241-30	7 for visual dis	splay technolo	gies.			\boxtimes
P12.2*	The phys	sical input device me	eets the requirem	nents of ISO 9995	and ISO 9241	-410.				\boxtimes
P13		ng and documenta								
P13.1*	Product Product Product Product	packaging material packaging material packaging material packaging material packaging material	type(s): <i>Paper - (</i> type(s): <i>Plastic -</i> type(s): <i>Plastic -</i> type(s): <i>Paper - n</i>	Corrugated single Solid EPE (solid LDPE (low densi molded pulp we	e wall weigh Expanded po ty polyethyle	t (kg): 0.23 o lyethylene) v e ne) weight (kg				
P13.2*		plastic primary pack								_ <u>_</u> _
P13.3*	consume	duct primary corruga er recovered fiber co	ontent: 34 %		the containe	ed percentage	of minimun	n post-		
P13.4*		media for user and pr ronic, ⊠Paper, ☐		tation (tick box):						
P13.5	Ùser and	only complete this it d product documenta lease specify:			e:					
	,	hlorine-free al chlorine-free								
	Processed chlorine-free									
P14	Volunta	ry programs								
P14.1	The prod	duct meets the requi	rements of the fo	ollowing voluntary p	orogram(s):					
	Eco-labe	el: ENERGY STAR	Eco-label:	E	co-label:	Eco-labe	l:			
	Eco-labe	el:	Eco-label:	E	co-label:	Eco-labe	l:			
P15	Addition	nal information (Se	e NOTE B10)							
P9	Energy	consumption of co	mputer product	ts; description of	the tested pr	oduct config	uration:			
	the info supplier informa Accoun	Supplier makes no rmation contained r's knowledge avai tion. The informati t Representative fo	in this document lable at the time on provided her or more informat	nt. All information e of completion, a re is approximate tion.	provided by nd supplier s and provided	supplier in to shall have no	his docume obligation t	ent is provided to update such	l based 1	on
P9		ergy Star Qualified vww.energystar.go				e 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 informat	uon
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Commercial name (3.1 (b))	Lenovo ThinkSystem SR650 V2	Logo	
Contact Address (3.1 (b))	7001 Development Dr. Building 7		
	Morrisville, NC 27560		l -
	United States		Lenovo
Model Number (3.1 (c))	7Z72, 7Z73, 7D15, 7D3Z		
Issue Date	2021-06-21		
Additional information		•	

Product 6	environmental attributes (EU) 2019/424 – Annex II points 3.1 and 3.3
1.a	Is the product consider to be in scope of ErP Lot 9 in scope out of scope, product is out of scope as:
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 (3.1 (d))	Year of manufacture: 2021
1.d (3.1 (p))	Product model part of a server product family?
(3.1 (ρ))	List of all model configurations that are represented by the model: https://lenovopress.com/lp1392-thinksystem-sr650-v2-server
1.e	Information on the secure data deletion functionality
(3.1 (n))	·
	(a) instructions on how to use the functionality:2 methods are provided to use the functionality.
	Use a command line tool to do the secure data deletion on the remote target system via boot up a customized
	Linux OS on it.
	Eg: OneCli.exe serase –bmc USERID:PASSWORD@xx.xx.xx.xxsftp root:password@xx.xxx.xx.xx./home –log 5 2) Use BoMC to create a full functions bootable media, start the media and choose secure erase from the text menu.
	(b) techniques used:
	OS tools under Linux -> Standard Linux Open Source tool
	(c) supported secure data deletion standard (if any):
	Secure Erase/block Erase/Crypto Erase, Sanitize
	OR - Reference to other information: Hdparm: https://en.wikipedia.org/wiki/Hdparm
	Nvme-format: https://www.mankier.com/1/nvme-format
	sg_sanitize: https://www.systutorials.com/docs/linux/man/8-sg_sanitize/
	scrub: https://www.systutorials.com/docs/linux/man/1-scrub/
	storcli: https://docs.broadcom.com/docs-and-downloads/raid-controllers/raid-controllers-common-iles/StorCLI RefMan revf.pdf
1.f	Blade servers? No Yes
(3.1 (o))	list of recommended combinations with compatible chassis:
Recycling	
2.a (3.3 (a))	Indicative weight range at component level, of the following critical raw materials: (a) Cobalt in the batteries (b) Neodymium in the HDDs
(0.0 (a))	i lood than o g
	between 5 g and 25 g between 5 g and 25 g
2.b	above 25 g above 25 g 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:
	https://thinksystem.lenovofiles.com/help/topic/SR650V2/sr650v2_maintenance_manual.pdf

2.c	Firmware
	Reference to information on last available firmware:
	https://datacentersupport.lenovo.com/us/en/products/servers/thinksystem/sr650v2/7z73/downloads/driver-list/
Additiona	l information

Server family specific information Family 1

Family no. / name		1 - 2 CPU populated family						
Model number(s) / Description		Standard or low-end performance configuration:						
(3.1 (c))		Processor(Minimum result of core count * frequency in family): Intel Silver 4309Y * 2, Storage: 16TB						
		3.5" HDD * 2, Memory: 16GB(lowest capacity in family) * 16, PSU: 500W * 2						
		High-end performance configuration:						
		Processor(Maximum result of core count * frequency in family): Intel Platinum 8380 * 2, Storage: 240GB SSD * 2, Memory: 32GB * 16, PSU: 1800W * 2						
		You can refer to	3B 10, F30. 1000W 2					
		https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1,						
		along with						
Addition	nal information	https://lenovopress.com/lp1392-thinksystem-sr650-v2-server &						
		https://dcsc.lenovo.com/#/categories/STG%40Servers%40Rack%20and%20Tower%20Servers%40T						
		hinkSystem%20SR650%20V2						
		butes (EU) 2019/424 – Annex I						
F1.a		% (if applicable), 20 $%,50$ $%$ an						
(3.1 (e))	expressed in % and rounded to the first decimal place): 🔲 Multi-output 🔀 Single-output							
		performance configuration(s):	A					
	10% 91.66 20% 93.87 50% 95.01 100% 94.10 Average 94.32							
	High-end performand	ce configuration(s):						
	10% 92.38 20% 94	95.15 100% 93.27	Average 94.39					
F1.b	Power factor at 50 %	of the rated load level	standard or low-end performa	nce high-end performance				
(3.1 (f))	(rounded to three de		configuration: 0.990	configuration: 1.000				
F1.c	PSU rated power out		standard or low-end performa					
(3.1 (g))	(in Watts rounded to		configuration: 500	configuration: 1800				
	internal note:							
	If a product model is part of a ser-	ver product family, all PSUs offered in a server vith the information specified in (e) and (f)						
F1.d	idle state power	an the information specified in (c) and (i)	standard or low-end performa	nce high-end performance				
(3.1 (h))		ed to the first decimal place)	configuration: 160.8	configuration: 184.1				
F1.e	List of all component	ts for additional idle power allow	ances	-				
(3.1 (i))								
		standard or configuration	low-end performance	high-end performance configuration:				
l —	CPU Performance							
_ω	CFU Fellollilalice	<u>-</u>	et (10 × PerfCPU W)	1 Socket				
			et (7 × PerfCPU W)	2 Socket				
ll tu	Additional PSU	No #: 1		Yes #: 1				
power allowances adjustments during testing	HDD	Yes #: 2		No #: 0				
ll ä	SDD Additional manager	No #: 0	<u> </u>	Yes #: 2				
ting a	Additional memory Additional buffered DDF	Yes #: 2520 R channel No #: 0	GB	Yes #: 508GB No #: 0				
nce tes	Additional I/O devices			none				
wa	Additional I/O devices							
dur all		< 1 Gb/s:	No Allowance	< 1 Gb/s: No Allowance				
Ver		= 1 Gb/s:	2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port				
		> 1 Gb/s a	and < 10 Gb/s: 4,0 W/Active Port	> 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port				
ide		≥ 10 Gb/s	and < 25Gb/s: 15,0 W/Active Port	≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port				
		≥ 25 Gb/s	and < 50Gb/s: 20,0 W/Active Port	≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port				
		≥ 50 Gb/s	26,0 W/Active Port	≥ 50 Gb/s 26,0 W/Active Port				
F1.f	maximum power		standard or low-end performa	-				
(3.1 (j))		ed to the first decimal place)	configuration: 341.1	configuration: 864.0				
F1.g	operating condition c	, ,	standard or low-end performa					
(3.1 (k))	(as defined in Table (ô or ErP lot 9)	configuration:	configuration:				
			□A1	□A1				
			<u> </u>					
			Exception comments	Exception comments				
			Refer to the Operating environm					
			section of https://lenovopress.com/lp1392-	section of https://lenovopress.com/lp1392-				
L			thinksystem-sr650-v2-server	thinksystem-sr650-v2-server				
F1.h		e higher boundary temperature	standard or low-end performa					
(3.1 (I))		ating condition class (in Watts)	configuration: 219.7	configuration: 237.5				
F1.i		ency and the performance in	standard or low-end performa					
(3.1 (m))	active state of the se	rver;	configuration: 19.7	configuration: 45.4				

Server family specific information Family 2

Family no. / name		1 - 1 CPU populated family						
Model number(s) / Description		Standard or low-end performance configuration:						
(3.1 (c))		Processor(Minimum result of core count * frequency in family): Intel Silver 4309Y * 1, Storage: 16TB						
		3.5" HDD * 2, Memory: 16GB(lowest capacity in family) * 8, PSU: 500W * 2						
		High-end performance configuration: Processor(Maximum result of core count * frequency in family): Intel Platinum 8380 * 1, Storage:						
		240GB SSD * 2, Memory: 32GB * 8, PSU: 1800W * 2						
		You can refer to						
		https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1,						
Addition	nal information	along with						
7 100 0010101		https://lenovopress.com/lp1392-thinksystem-sr650-v2-server &						
		https://dcsc.lenovo.com/#/categories/STG%40Servers%40Rack%20and%20Tower%20Servers%40ThinkSystem%20SR650%20V2						
Produc	t environmental attril	Dutes (EU) 2019/424 – Annex II points 3.1 and 3.3						
F1.a	PSU efficiency at 10	% (if applicable), 20 %, 50 % an	d 100 % of rated output power					
(3.1 (e))		rounded to the first decimal place		e-outnut				
	(expressed in 70 and	Tourided to the mot decimal place	oc). [] Maia oatpat [] Oiligit	o output				
	Standard or low-end	performance configuration(s):						
		8.87 50% 95.01 100% 94.10	Average 94.32					
	High-end performand	oo configuration(s):						
	10% 92 38 20% 94	9.75 50% 95.15 100% 93.27	Average 94 39					
	1070 32.30 2070 34	30 70 30.70 100 70 33.27	Average 34.00					
F1.b (3.1 (f))		of the rated load level		standard or low-end performance high-end performance				
	(rounded to three dec		configuration: 0.990 configuration: 1.000					
F1.c (3.1 (g))			standard or low-end performance high-end performance configuration: 500 configuration: 1800					
(0.1 (9))	•	the hearest integer)	Corniguration. 300	Configuration. 7800				
	internal note: If a product model is part of a ser	ver product family, all PSUs offered in a server vith the information specified in (e) and (f)						
F4 -l	product family shall be reported w	vith the information specified in (e) and (f)	-tddd -	hink and made man				
F1.d (3.1 (h))	idle state power standard or low-end performance high-end performance configuration: 96.7 high-end performance configuration: 119.3							
F1.e		ts for additional idle power allowa		configuration. 119.3				
(3.1 (i))	List of all component	is for additional fulle power allowa	ances					
,,		standard or	low-end performance	high-end performance				
		configuration	on:	configuration:				
	CPU Performance	│ <mark></mark> 1 Socke	et (10 × PerfCPU W)	1 Socket				
		2 Socke	et (7 × PerfCPU W)	2 Socket				
uts	Additional PSU	No #: 1	,	Yes #: 1				
power allowances adjustments during testing	HDD	Yes #: 2		No #: 0				
ll snig	SDD	No #: 0		Yes #: 2				
s ac ing	Additional memory	Yes #: 1240	GB	Yes #: 252GB				
nce;	Additional buffered DDF			No #: 0				
war	Additional I/O devices	none		none				
all g		< 1 Gb/s:	No Allowance	< 1 Gb/s: No Allowance				
l e e		= 1 Gb/s:	2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port				
Dog.		> 1 Gb/s a	and < 10 Gb/s: 4,0 W/Active Port	> 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port				
ide		≥ 10 Gb/s	and < 25Gb/s: 15,0 W/Active Port	≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port				
		≥ 25 Gb/s	and < 50Gb/s: 20,0 W/Active Port	≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port				
			26,0 W/Active Port	≥ 50 Gb/s 26,0 W/Active Port				
F1.f	maximum power	_ 00 CE/S	standard or low-end performar					
(3.1 (j))								
F1.g								
(3.1 (k))	(as defined in Table	6 or ErP lot 9)	configuration:	configuration:				
			□A1	☐A1 ☐A2 ☐A3 ☐A4				
			Exception comments	Exception comments				
			Refer to the Operating environm	ent Refer to the Operating environment section of				
			section of https://lenovopress.com/lp1392-					
			thinksystem-sr650-v2-server	thinksystem-sr650-v2-server				
F1.h		e higher boundary temperature	standard or low-end performar	nce high-end performance				
(3.1 (I))		ating condition class (in Watts)	configuration: 155.3	configuration: 167.8				
F1.i		ency and the performance in	standard or low-end performar					
(3.1 (m))	active state of the se	rver;	configuration: 20.9	configuration: 40.9				