



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			
Contact information *	Lenovo Global Environmental Affairs		Lenovo		
e-mail address	Alvin L Carter		LEITOVO		
	alcarter@lenovo.com				
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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 *	of product * SERVER					
Commercial name *	Lenovo ThinkSystem SN550 V2					
Model number *	7Z69					
Issue date *	May 17, 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 *		ber * 7Z69 Logo				
Issue date *	*	May 17, 2021		Lend		TH.
Product er	nvironr	mental attributes - Legal requirements		Require	ment	met
Item				Yes	No	N/A
		us substances and preparations				
	Products	do comply with current European RoHS Directive. (See legal reference and NOTE	EB1)			
		do not contain Asbestos (see legal reference).				
	Comment: Legal reference has no maximum concentration value. Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),					
h tr c	nydrobro richloroe concentra	mofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach othane, methyl bromide (see legal reference). Comment: Legal reference has no m ation values.	naximum			
te	erpheny	do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychl (PCT) in preparations (see legal reference).				
С	chain cor	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).				
(\$	see lega	h direct and prolonged skin contact do not release nickel in concentrations above 0 il reference). it: Max limit in legal reference when tested according to EN1811:2011-5.),5 μg/cm²/wee	k		
		Article 33 information about substances in articles is available at (add URL or mail	contact):	\square	П	
h	https://w	ww.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	,			_
P2 E	Batteries	3				
		duct contains a battery or an accumulator, the battery/accumulator is labeled with	the disposal	\boxtimes		
P2.2* B		nformation on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmes)	nium. (See lega	al 🔀		
P2.3* B	Batteries	and accumulators are readily removable. (See legal reference)		\boxtimes		
P2.4* D	Documer	ntation includes the number of cycles the (secondary) battery can withstand. (See I	egal reference		$\overline{\Box}$	Ħ
		ernal 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)				
P3 C	Conform	nity verification & Eco design (ErP)				
P3.1* T	The prod	uct is CE-marked to show conformance with applicable legal requirements (see legaration of Conformity can be requested at: https://www.lenovo.com/us/en/comp	gal reference).			
P3.2* T	The prod	uct complies with the Eco design requirements for energy-related products,	nance/eu-uoc		П	П
,	•	Il reference).				
F	Required	information is; given in item P15 or added to this document,			Ш	ш
•	declarati	available at: https://www.lenovo.com/us/en/complian	ce/eco-			
		packaging				
		ng and packaging components do not contain more than 0,01% lead, mercury	y, cadmium a	nd 🔀		
		nt chromium by weight of these together.				
u	ısed (se	aging materials are marked with abbreviations and numbers indicating the nature elegal reference).		, ,		
	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference).					
		t: Legal reference has no maximum concentration values.				
		nt information				
P6.1* In	nformatio	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.

Model number *		7Z69 Logo	Lon	21/0	
Issue date	e *	Error! Reference source not found.	Len		TH.
Product	environ	mental attributes - Market requirements (See General NOTE GN below)			
		onmental conscious design	Require		
		tory to fill in. Additional information regarding each item may be found under P14.	Yes	No	N/A
P7		Disassembly, recycling		_	
P7.1*		at have to be treated separately are easily separable		<u> </u>	Н
P7.2*		naterials in covers/housing have no surface coating.		<u>Ц</u>	Щ
P7.3*		arts > 100 g consist of one material or of easily separable materials.		<u>Ц</u>	Щ
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		Ц_	
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.				
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).	\boxtimes		
	Product				
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives			Ц_	
P7.8*		ng can be done using commonly available tools	\boxtimes		
P7.9	Spare pa	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):			
P7.12		type: Steel Material type: PC+ABS Material type: n materials of external electrical cables are PVC free.			
P7.12		n materials of external electrical cables are PVC free.			-
			10/		Ц.
P7.14	weight (plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, a chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing 25% post-consumer recycled content.	nd		
P7.15	Printed of	circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low haloged in IEC 61249-2-21. (See ⁵ NOTE B2)	en 🔀		
P7.16	Flame re	etarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:			
P7.17	Marking:	nemical specifications of flame retardants in printed circuit boards > 25 g (without components):			
F7.17		(additive) , TBBPA (reactive) (See NOTE B3), Other: chemical name: , CAS #: 3594	8-		
	accordin	nemical specifications of flame retardants in printed circuit boards (without components) > 25 g g ISO 1043-4:			
P7.18	concentr 1. Chem 2. Chem	lame retarded plastic parts > 25 g contain the following flame retardant substances/preparations rations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: " ical name: , CAS #: "	in		
	Alt. 2: Cl	nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:FR(40)			
P7.19	•	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)				
P7.20*	Postcons	sumer recycled plastic material content is used in the product (See Note B6):			
	a) Of t	at least one of the two alternatives below shall be answered; total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated a ercentage of total plastic by weight) is %.	s		
		e 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 *				Lenovo		
Issue date *	Error! Reference source not found.		LE		O ₁₈₁	
Product environn	nental attributes - Market requirements (continued)		Red	uireme	nt met	
Item			Ye	s No	N/A	

	Material and su	bstance requirements	(continued)					
P7.21*		material content is used	· · · · · · · · · · · · · · · · · · ·	OTE B7):			1 🗆	
	If YES; at least of a) Of total plas	ne of the two alternative stic parts' weight > 25 g, by weight) is %.	s below shall be answe	ered;	ted as a percentage of		, Ш	
		of the biobased plastic r						
P7.22*		e free from mercury, i.e.			u la manu.			
P7.23*		d specify: Number of lan es an integral display, the		um mercury content pe			1 🔽	
P8	Batteries							
P8.1*	Batteries Battery chemical composition: Manganese Dioxide (MnO 2), Propylene Carbonate (C 4 H 6 O 3), 1,2- Dimethoxyethane (C 4 H 10 O 2), Lithium Perchlorate (LiClO 4), Lithium or Lithium Alloy (Li), Carbon (C).							
P9	Energy consum	ption (See NOTE B8)						
P9.1		he following power level						
Energy mo	de *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for modes and test method		y 🔀	
Peak (On-	max)	W	W	W	Full load			
Categor	V							
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from		W	W	W				
the production PTEC *	t.)	W	W	W	+			
	ergy Consumption	1	· · ·	''				
ETEC * Annual Energy Consumption		kWh/year	kWh/year	kWh/year			\boxtimes	
External Po	ower Supply Efficie	ency Level (International	Efficiency Marking Pro	tocol) *:			\boxtimes	
Display res	olution * :	negapixels					\boxtimes	
Default tim	e to enter energy	save mode: minut	tes					
P9.2*	Information abou	t the energy save function	on is provided with the	product.	•	\boxtimes		
P9.3	Energy efficiency	class (monitors only):						
P10	Emissions Noise emission	 Declared according to 	ISO 9296 (See NOTE	B9)				
P10.1	Mode	Mode description	,	Statistical upper limit	t A-weighted sound power	r level, L _w	_{A,c} (B)	
	Idle	* no any stress		* 7.1bel				
	Operation	* stress CPU to 50% T		* 7.9bel				
	Other mode	Declared A-weighted sound $L_{p{\rm Am}}$	d pressure level (dB)	56.1dB (operator position desktop – idle)				
	Other mode	Declared A-weighted sound $L_{p{\rm Am}}$	d pressure level (dB)	63.6dB (operator po	osition desktop – operating)		
	Measured accord	ding to: 🔀 ISO 7779 🔀	ECMA-74 (only if not covered by	ECMA-74)				
	Electromagneti							
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the 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; $see \ \underline{http://www.ecma-international.org/publications/standards/Ecma-370.htm}$

Model number *		7Z 69			Logo	Long	1/0	
Issue date *		Error! Reference	source not found.			Leno	VO	н
Product	environn	nental attributes	- Market requirements (c	ontinued)		Require	ment	met
Item						Yes	No	N/A
P12	Ergonor	nics for computing	products					
P12.1*			omic requirements of ISO 924			\boxtimes		
P12.2*	The phys	sical input device me	eets the requirements of ISO 9	9995 and ISO 9241-41	0.	\boxtimes		
P13		ng and documenta						
P13.1*	Product	packaging material	type(s): Corrugated Fiberboa type(s): Cardboard weight type(s): Recycled Expanded	(kg): 0.113	g): 0.991 weight (kg): 0.21			
P13.2*	Product	plastic primary pack	aging is free from PVC.			\boxtimes		
P13.3*		luct primary corrugater recovered fiber co	ated fiberboard packaging, spontent: 55 %	pecify the contained p	percentage of minimur	n post-		
P13.4*			product documentation (tick bo Other	ox):				
P13.5	Ùser and		em if paper documentation us ation on paper media is chlorir					
	,	hlorine-free al chlorine-free						
	Processe	ed chlorine-free						
P14		ry programs						
P14.1	The prod	luct meets the requi	rements of the following volun	tary program(s):				
	Eco-labe	el:	Criteria version: 3.0 Criteria version: Criteria version:	Date: 2021/05/12 Date: Date:	Product category: Se Product category: Product category:	erver		
P15		nal information (Se		6 41 4411	4 6'			
P9	NOTE: S the info supplier informa Accoun	Supplier makes no rmation contained c's knowledge avai tion. The informati t Representative fo	mputer products; description representations, guarantees in this document. All informal lable at the time of completion on provided here is approximation. In more information. Enterprise Servers for the la	s, assurances or warn ation provided by su on, and supplier shal mate and provided fo	ranties whether expre pplier in this docume I have no obligation t	ent is provided to update such	based	lon
1 9			v/products/data_center_equ		ervers_			

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))	Error! Reference source not found. V2	Logo	
Contact Address (3.1 (b))	7001 Development Dr. Building 7, Morrisville, NC 27560, United	1	
	States		Lonovo
Model Number (3.1 (c))	7Z69		Lenovo
Issue Date	Error! Reference source not found.		1
Additional information			

Product (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 (3.1 (a))	Server type Rack Server High Performance Computing (HPC) Tower Server Multi Node Server Blade Server Data Storage product (Please go to "DATA STORAGE PRODUCTS" section
1.c	Year of manufacture: 2021
(3.1 (d))	
1.d (3.1 (p))	Product model part of a server product family?
1.e (3.1 (n))	Information on the secure data deletion functionality (a) instructions on how to use the functionality: 2 methods are provided to use the functionality. 1) 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 too (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 (3.1 (o))	Blade servers? No Yes list of recommended combinations with compatible chassis: Flex System Enterprise Chassis
Recycling	
2.a (3.3 (a))	Indicative weight range at component level, of the following critical raw materials: (a) Cobalt in the batteries Less than 5 g Less than
2.b (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.

2.c	Firmware
	Reference to information on last available firmware:
	https://datacentersupport.lenovo.com/cn/en/products/servers/thinksystem/sn550v2/7z69/downloads/driver-list/
Addition	nal information

Server family specific information Family 1

Family r	no. / name	1 - 2 CPU populated family			
	umber(s) / Description	Standard or low-end perforn			
(3.1 (c))		CPU: Intel® Xeon® Silver 43	809Y 8c 105W 2.6GHz		
		Memory: 256GB			
		Storage: 4.8TB HDD PSU: 2500W			
			2-port 10Gb Virtual Fabric Ada	inter	
		High-end performance conf		pter	
		CPU: Intel® Xeon® Platinun			
		Memory: 1024GB			
		Storage: 480GB SSD			
	PSU: 2500W NIC: ThinkSystem QLogic QL45212 Flex 50Gb 2-Port Ethernet Adapter				
			L45212 Flex 50Gb 2-Port Ethe	rnet Adapter	
Addition	nal information	You can refer to	ana aam/90BluaBawarSunnliaa	Detail conv2id=400 type=4 for the DCII	
Addition	iai iiiioriiiatioii	efficiency details	ons.com/ourlusrowersupplies	<u>Detail.aspx?id=49&type=1</u> for the PSU	
Produc	t anvironmental attri	butes (EU) 2019/424 – Annex	Il points 3.1 and 3.3		
F1.a	PSII efficiency at 10	% (if applicable) 20 % 50 % a	nd 100 % of rated output power		
(3.1 (e))			ice): Multi-output Single	o output	
	(expressed in % and	rounded to the first decimal pla	ice). 🔲 Multi-output 🔼 Singi	e-output	
	Standard or low-end	performance configuration(s):			
		1.39 50% 94.2 100% 91.5	Average 93.4		
	High-end performand				
	10% 93.52 20% 9		100% 91.5 Average 93. 4		
F1.b		of the rated load level	standard or low-end performal		
(3.1 (f))	(rounded to three de		configuration: 1	configuration: 1	
F1.c (3.1 (g))	PSU rated power out (in Watts rounded to		standard or low-end performation: 2500	nce high-end performance configuration: 2500	
(0.1 (9))	•	the hearest integer)	comiguration. 2500	configuration. 2500	
	internal note: If a product model is part of a ser	ver product family, all PSUs offered in a server			
		ver product family, all PSUs offered in a server vith the information specified in (e) and (f)			
F1.d (3.1 (h))	idle state power	ed to the first decimal place)	standard or low-end performation: 173.3	nce high-end performance configuration: 176.7	
F1.e		ts for additional idle power allov		configuration. 170.7	
(3.1 (i))	List of all componen		varioes		
			or low-end performance	high-end performance	
		configurat	on:	configuration:	
	CPU Performance	1 Soci	ket (10 × PerfCPU W)	1 Socket	
II			ket (7 × PerfCPU W)	2 Socket	
str	Additional PSU	No (Yes / No	o) #:	No (Yes / No) #:	
power allowances adjustments during testing	HDD	Yes	(Yes / No) #: 2	No (Yes / No) #:	
ll sig	SDD	,	Yes / No) #:	Yes (Yes / No) #: 2	
s ag	Additional memory		(Yes / No) #: 252GB	Yes (Yes / No) #: 1020GB	
nce test	Additional buffered DDF	R channel Yes (Yes / N	lo) #.: 8	Yes (Yes / No) #: 8	
wa	Additional I/O devices	none		none	
allo duri		< 1 Gb/s	: No Allowance	< 1 Gb/s: No Allowance	
l e		= 1 Gb/s	: 2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port	
l od		> 1 Gb/s	and < 10 Gb/s: 4,0 W/Active Port	> 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port	
id e		≥ 10 Gb/	s and < 25Gb/s: 15,0 W/Active Port	≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port	
			s and < 50Gb/s: 20,0 W/Active Port	≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port	
			s 26,0 W/Active Port	≥ 50 Gb/s 26,0 W/Active Port	
F1.f	maximum power	= 30 GB/	standard or low-end performal		
(3.1 (j))		ed to the first decimal place)	configuration: 662.8	configuration: 702.4	
F1.g	operating condition of		standard or low-end performal		
(3.1 (k))	(as defined in Table		configuration:	configuration:	
	•	,	□A1 ⊠A2 □A3 □A4	☐A1 ☐A2 ☐A3 ☐A4	
			Exception comments	Exception comments	
<u> </u>					
F1.h		e higher boundary temperature			
(3.1 (I))		ating condition class (in Watts)	configuration: 194.2	configuration: 196.8	
F1.i		ency and the performance in	standard or low-end performal		
(3.1 (m))	active state of the se	ivei,	configuration: 30.5	configuration: 47.3	

Server family specific information Family 2

Family no. / name		2 - 1 CPU populated family			
Model number(s) / Description		Standard or low-end performance configuration:			
(3.1 (c))		CPU: Intel® Xeon® Silver 4309Y 8c 105W 2.6GHz			
		Memory: 128GB Storage: 4.8TB HDD			
		Storage: 4.81B HDD			
		NIC: Flex System CN4052S 2-port 10Gb Virtual Fabric Adapter			
		CPU: Intel® Xeon® Platinum 8352V 36c 195W 2.1GHz			
		Memory: 512GB			
		Storage: 480GB SSD PSU: 2500W			
		NIC: ThinkSystem QLogic QL45212 Flex 50Gb 2-Port Eth	ernet Adanter		
		You can refer to	cinci Adaptor		
Addition	nal information	https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1 for the PSU			
		efficiency details			
Produc	t environmental attri	outes (EU) 2019/424 - Annex II points 3.1 and 3.3			
F2.a	See family 1				
(3.1 (e))	Or specific to this fan				
		% (if applicable), 20 %, 50 % and 100 % of rated output powe			
		· , _ · . _	gle-output		
		performance configuration(s):	00 4		
	10% 93.52 2	0% 94.39 50% 94.2 100% 91.5 Avera	age 93.4		
	high-end performance	e configuration(s):			
		• , ,	age 93.4		
F2.b	Power factor at 50 %	of the rated load level See family 1	•		
(3.1 (f))	(rounded to three de-	cimal places) Or specific to this family:			
		standard or low-end perform	ance high-end performance		
		configuration:	configuration:		
F2.c	PSU rated power out				
(3.1 (g))	(in Watts rounded to	the nearest integer) Or specific to this family:			
	internal note:	-kddddd	bish and a of success		
		ver product family, all PSUs offered in a server rith the information specified in (e) and (f) standard or low-end perform configuration:	ance high-end performance configuration:		
F2.d	idle state power	standard or low-end perform			
(3.1 (h))		d to the first decimal place) configuration: 122.1	configuration: 122.1		
F2.e	List of all component	s for additional idle power allowances	-		
(3.1 (i))		standard or low-end performance			
		·	high-end performance		
l .		configuration:	configuration:		
	CPU Performance	·			
		configuration: ☐ 1 Socket (10 × PerfCPU W) ☐ 2 Socket (7 × PerfCPU W)	configuration:		
ents	Additional PSU	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0	configuration: 1 Socket 2 Socket No (Yes / No) #:		
stments	Additional PSU HDD	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #:		
djustments	Additional PSU HDD SDD	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: 2		
es adjustments ting	Additional PSU HDD SDD Additional memory	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508		
ances adjustments testing	Additional PSU HDD SDD Additional memory Additional buffered DDF	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 2 No (Yes / No) #: 122 No (Yes / No) #: 122 No (Yes / No) #: 122	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #:		
owances adjustments ring testing	Additional PSU HDD SDD Additional memory	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 2 No (Yes / No) #: 122 R channel No (Yes / No) #: 122 No (Yes / No) #: 122	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none		
r allowances adjustments during testing	Additional PSU HDD SDD Additional memory Additional buffered DDF	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 2 No (Yes / No) #: 122 R channel No (Yes / No) #: none < 1 Gb/s: No Allowance	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none <1 Gb/s: No Allowance		
wer allowances adjustments during testing	Additional PSU HDD SDD Additional memory Additional buffered DDF	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none <1 Gb/s: No Allowance =1 Gb/s: 2,0 W/Active Port		
e power allowances adjustments during testing	Additional PSU HDD SDD Additional memory Additional buffered DDF	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none <1 Gb/s: No Allowance =1 Gb/s: 2,0 W/Active Port >1 Gb/s and <10 Gb/s: 4,0 W/Active Port		
idle power allowances adjustments during testing	Additional PSU HDD SDD Additional memory Additional buffered DDF	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none < 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port > 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port ≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port		
idle power allowances adjustments during testing	Additional PSU HDD SDD Additional memory Additional buffered DDF	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none < 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port ≥ 10 Gb/s and < 10 Gb/s: 4,0 W/Active Port ≥ 10 Gb/s and < 50Gb/s: 15,0 W/Active Port ≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port		
	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none < 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port > 1 Gb/s and < 10 Gb/s: 4,0 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 ≥ 50 Gb/s 26,0 W/Active Port		
F2.f	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices	configuration:	configuration:		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde	configuration:	configuration: 1 Socket 2 Socket No (Yes / No) #: No (Yes / No) #: Yes (Yes / No) #: 2 Yes (Yes / No) #: 508 No (Yes / No) #: none < 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port > 1 Gb/s and < 10 Gb/s: 4,0 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 ≥ 50 Gb/s 26,0 W/Active Port		
F2.f	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration:	configuration:		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde	Configuration:	configuration:		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 No (Yes / No) #: 120 No (Yes / No) #: 120	configuration:		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 R channel	configuration:		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 R channel	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: none 1 Gb/s: No Allowance 2 1 Gb/s: No Allowance 2 1 Gb/s: No Allowance 2 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port 2 10 Gb/s and < 25Gb/s: 15,0 W/Active Port 2 25 Gb/s and < 50Gb/s: 20,0 W/Active Port 3 1 Gb/s and < 30Gb/s: 30,0 W/Active Port 4 2 25 Gb/s and < 50Gb/s: 30,0 W/Active Port 5 2 50 Gb/s 26,0 W/Active Port 5 3 6 5 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 No (Yes / No) #: 122 R channel	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: 1 Color (Yes / No) #: 2 Tolor (Yes / No) #: 3 Tolor (Yes / No) #: 4 Tolor (Yes / No) #: 4 Tolor (Yes / No) #: 5 Tolor (Yes / No) #: 6 Tolor (Yes / No) #: 7 To		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 No (Yes / No) #: 122 R channel	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: none 4 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port 2 10 Gb/s and < 10 Gb/s: 4,0 W/Active Port 2 10 Gb/s and < 25Gb/s: 15,0 W/Active Port 2 25 Gb/s and < 50Gb/s: 20,0 W/Active Port 3 250 Gb/s 26,0 W/Active Port 4 configuration: 365.4 ance high-end performance configuration: A1 A2		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 No (Yes / No) #: 120 No (Yes / No) #: 122 No (Yes / No) #: 122	configuration:		
F2.f (3.1 (j))	Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices Maximum power (in Watts and rounde) Operating condition of	configuration: 1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W) No (Yes / No) #: 0 Yes (Yes / No) #: 2 No (Yes / No) #: 122 No (Yes / No) #: 122 R channel	configuration: 1 Socket 2 Socket No (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: Yes (Yes / No) #: none 4 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port 2 10 Gb/s and < 10 Gb/s: 4,0 W/Active Port 2 10 Gb/s and < 25Gb/s: 15,0 W/Active Port 2 25 Gb/s and < 50Gb/s: 20,0 W/Active Port 3 250 Gb/s 26,0 W/Active Port 4 configuration: 365.4 ance high-end performance configuration: A1 A2		

F2.h (3.1 (l))	idle state power at the higher boundary temperature of the declared operating condition class (in Watts)	See family 1 Or specific to this family:	
		standard or low-end performance configuration: 138.1	high-end performance configuration: 138.2
F2.i (3.1 (m))	the active state efficiency and the performance in active state of the server;	See family 1 Or specific to this family:	-
		standard or low-end performance configuration: 27.3	high-end performance configuration: 43.5