



### 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	Log	0		
Company name *	Lenovo		1,_		
Contact information *	Lenovo Global Environmental Affairs		Lenovo		
e-mail address Alvin L Carter			LCIIOVO		
	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 *	pe of product * SERVER				
Commercial name *	novo ThinkSystem SR630 V2 / ThinkAgile HX 1330/1, HX 2330/1, HX 3330/1				
Model number *	770 7Z71 7D3Y 7Z85,7D52,7D0Z,7D11				
Issue date *	021-06-21, updated 2022-08-03				
Intended market *	Global Europe Asia, Pacific & Japan Americas Other				
Additional information	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 *		7Z70 7Z71 7D3Y 7Z85,7D52,7D0Z,7D11	Logo	Lenovo.		
Issue dat		2021-06-21, updated 2022-08-03		Len	JVC	) <sub>th.</sub>
	environ	mental attributes - Legal requirements		Require		
Item				Yes	No	N/A
P1		ous substances and preparations				
P1.1*	Products	do comply with current European RoHS Directive. (See legal reference and NOTE	EB1)	$\boxtimes$		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.				
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*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych l (PCT) in preparations (see legal reference).	lorinated			
P1.5*		on to 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 t	he 🔀		
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week (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/Lenovo-REACH-SVHC-Disclosure					
P2	Batterie					
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)					
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)					
P2.3*	Batteries and accumulators are readily removable. (See legal reference)					
P2.4*	Docume	ntation includes the number of cycles the (secondary) battery can withstand. (See I	egal reference	e)	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	Conforn	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*		luct complies with the Eco design requirements for energy-related products, al reference).				
	Required information is; given in item P15 or added to this document,  available at: <a href="https://www.lenovo.com/us/en/compliance/eco-">https://www.lenovo.com/us/en/compliance/eco-</a>					
	declarat	_ ,				
P5	Product	packaging				
P5.1*		ng and packaging components do not contain more than 0,01% lead, mercur ent chromium by weight of these together.	y, cadmium a	ind 🔀		
P5.2*		caging materials are marked with abbreviations and numbers indicating the nature e legal reference).	of the material	(s) 🔀		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference).  Comment: Legal reference has no maximum concentration values.					
P6		nt information				
P6.1*		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.

Wiodel III	ımber *	72/0 72/1 7034 7285,7052,7002,7011	Logo	Lend			
Issue dat	te *	2021-06-21, updated 2022-08-03		Lein		ти	
Product		mental attributes - Market requirements (See General NOTE GN l onmental conscious design	below)	Require	ment i	met	
Item	*=manda	tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	N/A	
P7		Disassembly, recycling		100	110	14// (	
P7.1*		at have to be treated separately are easily separable		$\square$	П	$\Box$	
P7.2*	Plastic m	naterials in covers/housing have no surface coating.			Ħ		
P7.3*	Plastic p	arts > 100 g consist of one material or of easily separable materials.			Ħ	$\Box$	
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.			Ħ		
P7.5	Plastic p	arts are free from metal inlays or have inlays that can be removed with commonly a	vailable tools.		Ħ	$\overline{\Box}$	
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).					
	Product lifetime						
P7.7*	Upgradir	ng can be done e.g. with processor, memory, cards or drives		$\boxtimes$			
P7.8*	Upgradir	ng can be done using commonly available tools					
P7.9	Spare pa						
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):					
D7.40		type: Metal Material type: Plastic Materia	ıl type:				
P7.12		n materials of external electrical cables are PVC free.					
P7.13		n materials of internal electrical cables are PVC free.			X	Щ.	
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.						
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See <sup>5</sup> NOTE B2)						
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:						
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 #:						
	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 substance: ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: " ical name: , CAS #: "	s/preparations	in 🔲			
	<u>Alt. 2:</u> 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 the following Risk phrases; and Hazard statements:	have been ee note B5)				
D7.00*	The sour						
P7.20*	If YES; a a) Of t a pe or	sumer recycled plastic material content is used in the product (See Note B6):  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 %.  We weight of recycled material is g.	t (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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>.

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 *	7Z70 7Z71 7D3Y 7Z85,7D52,7D0Z,7D11	Logo	Lenovo
Issue date *	2021-06-21, updated 2022-08-03		Lei IOVO.
Product environr	mental attributes - Market requirements (continued)		Requirement met
Item			Yes No N/A

P7.21*		bstance requirements material content is used		TE D7\·			
P1.21	biobaseu piastio	material content is used	illi trie product (See NC	)   E D			
	a) Of total plas	one of the two alternative stic parts' weight > 25 g, by weight) is %.			ted as a percentage of		
	or b) The weight	of the biobased plastic n	naterial is				
P7.22*	Light sources are	e free from mercury, i.e.	less than 0,1 mg/lamp.		Х П П		
	If mercury is use	d specify: Number of lan	nps: and maximu	um mercury content pe	er lamp: mg		
P7.23*	•	es an integral display, the	e total mercury content	in the integrated displa	ay: mg		
P8	Batteries		A Disside				
P8.1*	Battery chemical composition: Lithium Manganese Dioxide						
P9		ption (See NOTE B8)					
P9.1		the following power levels			D-f		
Energy mod		Power level at <b>100</b> V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *		
Peak (On-r	nax)	W	W	W	Full load		
Category	/						
EPS No-loa		W	W	l w			
(External po	ower supply /						
	gged in the wall						
outlet but di	isconnected from						
the product	.)						
PTEC *		W	W	W			
	ergy Consumption				_		
ETEC *		kWh/year	kWh/year	kWh/year			
Annual Energy Consumption					_		
External Po	wer Supply Effici	ency Level (International	Efficiency Marking Pro	tocol) * :			
Display res	olution * :	megapixels					
Default time	e to enter energy	save mode: minut	tes				
P9.2*	Information abou	ut the energy save function	on is provided with the	product.			
P9.3	Energy efficience	y class (monitors only):					
P10	Emissions	, ,					
	Noise emission	- Declared according to	ISO 9296 (See NOTE	B9)			
P10.1	Mode	Mode description	,		t A-weighted sound power level, L <sub>WA,c</sub> (B)		
	Idle	* Typical Configuration		* 6.0			
	Operation	* Typical Configuration		* 7.1			
	Operation	(Stress CPU to 80% TDP of	or Stress GPU to	1			
		TDP)		+ = 0			
	Idle	* GPU Rich Configuration		* 7.6			
	Operation	* GPU Rich Configuration (Stress CPU to 80% TDP of TDP)	or Stress GPU to	* 8.3			
	Idle	* Storage Rich Configuration	on	* 7.5			
	Operation	* Storage Rich Configuration		* 7.7			
	(Stress CPU to 80% TDP or Stress GPU to TDP)						
	Other mode $Declared$ A-weighted sound pressure level (dB) (operator position desktop – idle) $L_{p  ext{Am}}$			sition desktop – idle)			
	Other mode	Declared A-weighted sound	d pressure level (dB)	(operator po	sition desktop – operating)		
		$L_{pAm}$		(ορειαίοι μο	Siles Source operating)		
	Measured accor	ding to: X ISO 7779	ECMA-74				
		Other	(only if not covered by	ECMA-74)			
	Electromagneti	ic emissions		<u>,                                     </u>			
P10.4	Computer displa	y meets the requirement	for low frequency elec	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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

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

Model nur	nber *	7Z70 7Z71 7D3Y 7	Z85,7D52,7D0Z,7	7D11			Logo	1.	200	V/0	
Issue date	*	2021-06-21, update	ed 2022-08-03					L	eno	VO.	н
Product	environr	nental attributes	- Market requir	rements (contir	nued)			Re	quire	ment	met
Item			-	•	·				Yes	No	N/A
P12		nics for computing									
P12.1*		lay meets the ergon	•			. ,	gies.				$\boxtimes$
P12.2*	The phys	sical input device me	ets the requireme	ents of ISO 9995	and ISO 924	1-410.					$\boxtimes$
P13		ng and documenta									
P13.1*	Product Product Product	packaging material t packaging material t packaging material t packaging material t	ype(s): <b>Paper - C</b> ype(s): <b>Plastic - S</b> ype(s): <b>Plastic - L</b>	Corrugated single Solid EPE (solid LDPE (low densi	e wall weig Expanded p	ht (kg): <b>0.22</b> polyethylene) v		0.808			
P13.2*		plastic primary packa	0 0						$\boxtimes$		
P13.3*	For proc	luct primary corruga er recovered fiber co	ited fiberboard pa ntent: <mark>30</mark> %	ackaging, specify	the contain	ed percentage	of minimu	m post-			
P13.4*		media for user and p ronic, ⊠Paper, ⊡(	roduct documenta Other	ation (tick box):							
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free:  If Yes, please specify:										
	Totally chlorine-free										
	Process	ed chlorine-free									
P14	Voluntary programs										
P14.1	The prod	luct meets the requir	ements of the foll	lowing voluntary p	rogram(s):						
	Eco-labe	l: ENERGY STAR	Eco-label:	E	co-label:	Eco-labe	l:				
	Eco-labe	d:	Eco-label:	Е	co-label:	Eco-labe	l:				
P15	Addition	nal information (See	NOTE B10)								
P9		consumption of co									
	NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied, regarding the information contained in this document. All information provided by supplier in this document is provided based on supplier's knowledge available at the time of completion, and supplier shall have no obligation to update such information. The information provided here is approximate and provided for informational purposes only. See a Lenovo Account Representative for more information.					on					
P9	See Energy Star Qualified Enterprise Servers for the latest information: <a href="https://www.energystar.gov/products/data-center-equipment/enterprise-servers">https://www.energystar.gov/products/data-center-equipment/enterprise-servers</a>										

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	infor	mation
General	11111()1	шапоп

,				
Commercial name (3.1 (b))	Lenovo ThinkSystem SR630 V2	Logo		
	ThinkAgile HX1330/1, HX 2330/1, HX 3330/1			
Contact Address (3.1 (b))	7001 Development Dr. Building 7	1		
	Morrisville, NC 27560	lie and the second		
	United States	Lenovo		
Model Number (3.1 (c) )	7Z70 7Z71 7D3Y 7Z85,7D52,7D0Z,7D11			
Issue Date	2021-06-21, updated 2022-08-03	]		
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	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	Product model part of a server product family?					
(3.1 (p))	List of all model configurations that are represented by the model: https://lenovopress.com/lp1391-thinksystem-sr630-v2-server					
1.e (3.1 (n))	Information on the secure data deletion functionality					
(3.1 (11))	(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:					
Recyclin						
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					
(======================================	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:					
	OR - Reference to other information:  https://thinksystem.longyofiles.com/holp/topic/SP630V2/sr630_v2_maintenance_manual.ndf					

2.c	Firmware			
	Reference to information on last available firmware:			
	https://datacentersupport.lenovo.com/us/en/products/servers/thinksystem/sr630v2/7z70/downloads/driver-list/			
Additiona	Additional 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							
		https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1,							
Addition	nal information	along with https://lenovopress.com/lp1391-thinksystem-sr630-v2-server &							
		https://dcsc.lenovo.com/#/categories/STG%40Servers%40Rack%20and%20Tower%20Servers%40T							
		hinkSystem%20SR630%20V2							
Product environmental attributes (EU) 2019/424 – Annex II points 3.1 and 3.3									
F1.a									
(3.1 (e))	(expressed in % and rounded to the first decimal place): Multi-output Single-output								
	Standard or low-end performance configuration(s):								
			Average 94.32						
10% <b>91.66</b> 20% <b>93.87</b> 50% <b>95.01</b> 100% <b>94.10</b> Average <b>94.32</b>									
	High and parforman	oo configuration(a):							
	High-end performance configuration(s): 10% <b>92.38</b> 20% <b>94.75</b> 50% <b>95.15</b> 100% <b>93.27</b> Average <b>94.39</b>								
	1070 02700 2070 04	10070 0011	Average 64766						
E1 h	Dower factor at EO 9/	of the rated load level	standard or law and parformer	nee high and performance					
F1.b (3.1 (f))	(rounded to three de		standard or low-end performance high-end performance configuration: 0.990 high-end performance configuration: 1.000						
F1.c	PSU rated power out		standard or low-end performance high-end performance						
(3.1 (g))	(in Watts rounded to		configuration: 500	configuration: 1800					
	internal note:								
	If a product model is part of a ser- product family shall be reported w	rver product family, all PSUs offered in a server with the information specified in (e) and (f)							
F1.d	idle state power standard or low-end performance high-end performance								
(3.1 (h))	(in Watts and rounded to the first decimal place) configuration: 131.6 configuration: 176.5								
F1.e (3.1 (i))	List of all component	ts for additional idle power allow	rances						
(0 (.))		standard o	r low-end performance	high-end performance					
l		configuration	on:	configuration:					
	CPU Performance	1 Sock	tet (10 × PerfCPU W)	1 Socket					
		∑ 2 Sock	tet (7 × PerfCPU W)	∑ 2 Socket					
ents	Additional PSU	No #: 1		Yes #: 1					
stm	HDD	Yes #: 2		No #: 0					
ng ng	SDD Additional memory	No #: 0 Yes #: 252	CR	Yes #: 2 Yes #: 508GB					
power allowances adjustments during testing	Additional buffered DDF		GB	No #: 0					
	Additional I/O devices	none		none					
			No Allowance	< 1 Gb/s: No Allowance					
er al			2.0 W/Active Port	= 1 Gb/s: 2.0 W/Active Port					
OWe			and < 10 Gb/s: 4,0 W/Active Port	> 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port					
idle p			s and < 25Gb/s: 15,0 W/Active Port	≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port					
<u>.</u>			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	2 50 Gb/s	standard or low-end performar						
(3.1 (j))		ed to the first decimal place)	configuration: 301.9	configuration: 867.8					
F1.g	operating condition class		standard or low-end performar						
(3.1 (k))	(as defined in Table	6 or ErP lot 9)	configuration:	configuration:					
			□A1	☐A1  ☐A2  ☐A3  ☐A4					
			Exception comments	Exception comments					
F1.h	idle state power at th	ne higher boundary temperature	standard or low-end performar	nce high-end performance					
(3.1 (I))	of the declared operating condition class (in Watts)		configuration: 147.2	configuration: 195.4					
F1.i	the active state efficiency and the performance in		standard or low-end performar						
(3.1 (m))	active state of the se	rver;	configuration: 21.4	configuration: 40.3					

Family no. / name		1 - 1 CPU populated family						
Model number(s) / Description (3.1 (c) )		Standard or low-end performance configuration:  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 perform			PSU: 500W ^ 2			
		Processor(Maxim	um result o	f core count * frequency in fai	mily): Intel Platinum 8380 * 1, Storage:			
			emory: 32G	B * 8, PSU: 1800W * 2				
		You can refer to	oadsolution	s com/80PlusPowerSunnlies	Detail asny?id=49&tyne=1			
A al al i 6 i a sa	al information	https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1, along with						
Addition	al information	https://lenovopress.com/lp1391-thinksystem-sr630-v2-server &						
		https://dcsc.lenovo.com/#/categories/STG%40Servers%40Rack%20and%20Tower%20Servers%40T hinkSystem%20SR630%20V2						
Produc	t environmental attrib							
F1.a	a PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power							
(3.1 (e))	(expressed in % and	rounded to the first of	nded to the first decimal place): 🔲 Multi-output 🔀 Single-output					
	Standard or low-end performance configuration(s): 10% 91.66 20% 93.87 50% 95.01 100% 94.10 Average 94.32							
	High and northwest as a sufficient (a).							
	High-end performance configuration(s): 10% 92.38 20% 94.75 50% 95.15 100% 93.27 Average 94.39							
				· ·				
F1.b	Power factor at 50 % of the rated load level standard or low-end performance high-end performance							
(3.1 (f))	(rounded to three ded			configuration: 0.990	configuration: 1.000			
F1.c (3.1 (g))	PSU rated power out (in Watts rounded to	tput standard or low-end performance high-end performance the nearest integer) configuration: 500 configuration: 1800						
	internal note: If a product model is part of a server product family, all PSUs offered in a server product family shall be reported with the information specified in (e) and (f)							
F1.d	idle state power standard or low-end performance high-end performance							
(3.1 (h)) F1.e		led to the first decimal place) configuration: 90.9 configuration: 176.5  Ints for additional idle power allowances						
(3.1 (i))	List of all component	s ioi additional idle p _	Jowei allowa	inces				
				low-end performance	high-end performance			
	CPU Performance		configuratio		configuration:  1 Socket			
	or or enormance			et (10 × PerfCPU W)	2 Socket			
l st	Additional PSU		2 Socket (7 × PerfCPU W)  No #: 1		Yes #: 1			
power allowances adjustments during testing	HDD		Yes #: 2		No #: 0			
just	SDD		No #: 0		Yes #: 2			
s ad	Additional memory		Yes #: 124GB		Yes #: 252GB			
test	Additional buffered DDR channel		No #: 0		No #: 0			
wai	Additional I/O devices		none		none			
allo			< 1 Gb/s: N	No Allowance	< 1 Gb/s: No Allowance			
wer			= 1 Gb/s: 2	2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port			
od e			=	nd < 10 Gb/s: 4,0 W/Active Port	> 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port			
idle				and < 25Gb/s: 15,0 W/Active Port	≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port			
			=	and < 50Gb/s: 20,0 W/Active Port	≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port			
			≥ 50 Gb/s 2	26,0 W/Active Port	≥ 50 Gb/s 26,0 W/Active Port			
F1.f (3.1 (j))	maximum power (in Watts and rounded to the first decimal place)			standard or low-end performan configuration: 178.9	nce high-end performance configuration: 482.3			
F1.g	operating condition class			standard or low-end performan				
(3.1 (k))	(as defined in Table 6 or ErP lot 9)			configuration:	configuration:			
				□A1 ⊠A2 ⊠A3 ⊠A4	☐A1 ☑A2 ☑A3 ☑A4			
				Exception comments	Exception comments			
F1.h (3.1 (l))				standard or low-end performance high-end performance configuration: 102.8 high-end performance configuration: 123.6				
F1.i	the active state efficiency and the performance in			standard or low-end performan				
(3.1 (m))	active state of the ser	e state of the server;		configuration: 18.9	configuration: 36.7			