



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		_			
Contact information *	Lenovo Global Environmental Affairs		Lenovo			
e-mail address	Alvin L Carter	LEITO				
	alcarter@lenovo.com					
Internet site *	https://www.lenovo.com/us/en/about/sustainability					
Additional information	nation 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 statemen	conforms to the statements given in this declaration.					
Type of product *	Type of product * SERVER					
Commercial name *	Lenovo ThinkSystem SR550					
Model number *	7X03, 7X04					
Issue date *	2020-01-31					
Intended market *	Global Europe Asia, Pacific & Japan Americas Other					
Additional information						

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

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:

P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed

P10.2 - P10.3 Chemical emissions from printing products

P11.1 - P11.3 Consumable materials for printing products.

Model nu	mber *	7X03, 7X04	Logo	Lon		
Issue dat	e *	2020-01-31		Len	DVC) _{tm}
Product	environ	mental attributes - Legal requirements		Require	men	t 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	E B1)	\boxtimes		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.				
P1.3*	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	\boxtimes		
P1.5*		odo not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 cart ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	oon atoms in th	e 🔀		
P1.6*	(see lega	th direct and prolonged skin contact do not release nickel in concentrations above 0 al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.),5 μg/cm²/weel	k 🔀		
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail	contact):	X		
		ww.lenovo.com/us/en/sustainability-resources				
P2	Batterie	s				
P2.1*		oduct 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	\boxtimes		
P2.2*	Batteries reference	s or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadme)	nium. (See lega	l 🔀		
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)		\boxtimes		
P2.4*	Docume	ntation includes the number of cycles the (secondary) battery can withstand. (See I	egal reference)		\top	
P2.5*		ternal batteries of a notebook computer cannot be "accessed and replaced by a no e related text is present and legible on the external packaging (see legal reference)				
P3		nity verification & Eco design (ErP)				
P3.1*		duct is CE-marked to show conformance with applicable legal requirements (see legal requirements) duration of Conformity can be requested at: https://www.lenovo.com/us/en/compliar		\boxtimes		
P3.2*		duct complies with the Eco design requirements for energy-related products, al reference).				
	Required	d information is; given in item P15 or added to this document, available at: https://www.lenovo.com/us/en/compliance/e	eco-declaration			
P5	Product	packaging	oo doolaration			
P5.1*	Packagii	ng and packaging components do not contain more than 0,01% lead, mercury ent chromium by weight of these together.	y, cadmium ar	nd 🔀		
P5.2*	The pac	kaging materials are marked with abbreviations and numbers indicating the nature (see legal reference).	of the material(s) 🔀		
P5.3*	The prod	duct packaging material is free from ozone depleting substances as specified in the Nal reference). In the standard of the sta	Montreal Protoc	ol 🔀		
P6		nt information				
					$\overline{}$	$\overline{}$

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

P6.1*

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	7X03, 7X04	Logo	Lanava
Issue date *	2020-01-31		Lei IOVO.

Product	t environmental attributes - Market requirements (See General NOTE GN below)			
	- Environmental conscious design	Require	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	N/A
P7	Design, Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable		Ц.	Щ.
P7.2*	Plastic materials in covers/housing have no surface coating.			Щ
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.		Щ	
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.			
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	\boxtimes		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\boxtimes		
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives			
P7.8*	Upgrading can be done using commonly available tools	\boxtimes		
P7.9	Spare parts are available after end of production for: years			
P7.10	Service is available after end of production for: years			
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):			
P7.12	Material type: Metal Material type: Plastic Material type: Insulation materials of external electrical cables are PVC free.			
P7.12	Insulation materials of external electrical cables are PVC free.		<u></u>	
		2/		<u> </u>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, an polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing	nd 📙	Ш	Ш
	more than 25% post-consumer recycled content.	9		
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low haloge as defined in IEC 61249-2-21. (See ⁵ NOTE B2)	n		
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:			
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components):			
	TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other: chemical name: , CAS #:			
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:			
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations is	in		
	concentrations above 0,1%:			
	1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: "			
	3. Chemical name: , CAS #: "			
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:			
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been			
	assigned the following Risk phrases; and Hazard statements:			
	The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)			
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6):			
	If YES; at least one of the two alternatives below shall be answered;			
	 a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is %. 			
	or			
	b) The weight of recycled material is g.			

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

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

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

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

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	7X03, 7X04	Logo	Lonovo
Issue date *	2020-01-31		Leliovo

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

D7 04*	Material and substance requirements (continued) Biobased plastic material content is used in the product (See NOTE B7):								
P7.21*	Biobased plastic	material content is used	in the product (See NO) I E B7):			\boxtimes		
		ne of the two alternatives							
		stic parts' weight > 25 g, t	the biobased plastic ma	iterial content (calculat	ed as a percentage of				
		by weight) is %.							
	or	-f4b b:-bdb4:							
P7.22*	, ,	of the biobased plastic m					_		
F1.22		e free from mercury, i.e. I d specify: Number of lam		m mercury content pe	r lamp: mg	\boxtimes	Ш		
P7.23*		es an integral display, the				П		\boxtimes	
P8	Batteries								
P8.1*	Battery chemical	composition: Lithium M	anganese Dioxide						
P9	<u> </u>	ption (See NOTE B8)							
P9.1		he following power levels	s or energy consumption	ns are reported:					
Energy mo		Power level at	Power level at	Power level at	Reference/Standard	for ene	ergy	X	
3,		100 V AC	115 V AC	230 V AC	modes and test method		37		
Peak (On-i	max)	W	W	W	Full load				
Category	M								
EPS No-loa		W	W	W					
	ower supply /	VV	VV	VV					
	igged in the wall								
0 .	outlet but disconnected from								
the product	t.)								
PTEC *		W	W	W				X	
	ergy Consumption								
ETEC *		kWh/year	kWh/year	kWh/year				\boxtimes	
	ergy Consumption			N #					
		ency Level (International	Efficiency Marking Prot	ocol) * :					
Display res	olution * :	negapixels						\boxtimes	
Default time	e to enter energy	save mode: minute	es						
P9.2*	Information abou	t the energy save function	on is provided with the p	roduct.					
P9.3	Energy efficiency	class (monitors only):						\boxtimes	
P10	Emissions								
		 Declared according to 	ISO 9296 (See NOTE					<u></u> \	
P10.1	Mode	Mode description			A-weighted sound power	er level,	L _{WA,c} ((B)	
	Idle	* Indicates idle conditi		* 6.1					
		powered on, but no dis other devices idling)	sk activity and all						
	Operation	* Indicates CPU and m	emory operating	* 6.2					
	Operation	condition(run PTU with		0.2				ш	
		CPU and memory subs							
	Other mode	Declared A-weighted sound	l pressure level (dB)	(operator pos	sition desktop – idle)				
		L_{pAm}							
	Other mode	Declared A-weighted sound	l pressure level (dB)	(operator pos	sition desktop – operating)			
		L_{pAm}		, , , , ,	,				
	Magaurad assist		ECMA-74	L					
	ivieasured accord	ding to: ISO 7779		TOMA 74)					
	Ele etue ··· · · · · · · · · · · · ·		(only if not covered by I	EUMA-74)					
P10.4	Computer displa	c emissions y meets the requirement	for low froguency alast	romagnotic fields of th	o following voluntary		_		
1-10.4	program(s):	y meets the requirement	ioi iow irequericy elect	romagnetic lielus of th	e ronowing voluntary		Ш	\boxtimes	
ı	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 nu	mber *	7X03, 7X04 Logo	Long		
Issue date	e *	2020-01-31	Lenc		тм
Product	environn	nental attributes - Market requirements (continued)	Require	ment	met
Item			Yes	No	N/A
P12		nics for computing products			
P12.1*	The disp	lay meets the ergonomic requirements of ISO 9241-307 for visual display technologies.			\boxtimes
P12.2*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.			\boxtimes
P13	Packagi	ng and documentation			
P13.1*	Product Product Product	packaging material type(s): Carton weight (kg): 3.5 packaging material type(s): EPE weight (kg): 1.3 packaging material type(s): LDPE weight (kg): 0.07 packaging material type(s): Paper cushion weight (kg): 1.02 packaging material type(s): Corner paper(divided by unit quantity) weight (kg): 0.07			
P13.2*		plastic primary packaging is free from PVC.	\square	П	
P13.3*		luct primary corrugated fiberboard packaging, specify the contained percentage of minimum poser recovered fiber content: 55 %			
P13.4*		nedia for user and product documentation (tick box): ronic, ⊠Paper, □Other			
P13.5	Ùser and	only complete this item if paper documentation used) I product documentation on paper media is chlorine-free: ease specify:			_
	Element	nlorine-free al chlorine-free ed chlorine-free			
P14	Volunta	ry programs			

ENERGY STAR® ENERGY STAR®

Eco-label:

Eco-label:

Eco-label:

Eco-label:

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information. The information provided here is approximate and provided for informational purposes only. See a Lenovo

supplier's knowledge available at the time of completion, and supplier shall have no obligation to update such

The product meets the requirements of the following voluntary program(s):

Eco-label:

Eco-label:

ENERGY STAR®

Energy consumption of computer products; description of the tested product configuration:

See Energy Star Qualified Enterprise Servers for the latest information: https://www.energystar.gov/products/data_center_equipment/enterprise_servers_

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

P14.1

P15

P9

P9

ENERGY STAR®

Additional information (See NOTE B10)

Account Representative for more information.

Eco-label:

Eco-label:

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

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General	intorm	าวtเกท
Ochelai	ппоп	iauon

Commercial name (3.1 (b))	Lenovo ThinkSystem SR550	Logo	
Contact Address (3.1 (b))	7001 Development Dr. Building 7		
	Morrisville, NC 27560		
	United States		Lenovo
Model Number (3.1 (c))	7X03, 7X04		
Issue Date	2020-01-31		
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: 2017								
1.d	Product model part of a server product family?								
(3.1 (p))	List of all model configurations that are represented by the model:								
1.0	http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_SR550 Information on the secure data deletion functionality								
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:/home –log 5 2) Use BoMC to create a full functions bootable media, start the media and choose secure erase from the text men (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/								
	$storcli: \\ \underline{https://docs.broadcom.com/docs-and-downloads/raid-controllers/raid-controllers-common-iles/StorCLI_RefMan_revf.pdf}$								
1.f (3.1 (o))	Blade servers? No Yes list of recommended combinations with compatible chassis:								
Recyclin									
2.a	Indicative weight range at component level, of the (a) Cobalt in the batteries (b) Neodymium in the HDDs								
(3.3 (a))	following critical raw materials:								
	between 5 g and 25 g between 5 g and 25 g								
	above 25 g								
2.b	Instructions on the disassembly operations								
(3.3 (b))	(a) the type of operation;(b) the type and number of fastening technique(s) to be unlocked;								
	(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/7X03/maintenance_manual.pdf								
2.c	Firmware								
	Reference to information on last available firmware: https://thinksystem.lenovofiles.com/help/topic/7X03/maintenance_manual.pdf								
Additiona	Il information								

Server family specific information Family 1

Family no. / name		1 - 1 CPU populated family							
	umber(s) / Description	Standard or low-end performance configuration:							
(3.1 (c))		Processor(Minimum result of core count * frequency in family): Intel Xeon Silver 4208, Storage: 1TB							
		HDD * 2, Memory: 16GB(lowest capacity in family) * 3, PSU: 550W * 1							
		High-end performance configuration:							
		Processor(Maximum result of core count * frequency in family): Intel Xeon Gold 5220S, Storage: 480GB SSD * 2, Memory: 32GB * 6, PSU: 750W * 2							
		You can refer to	emory. 326	7B 0, P30.750W 2					
Addition	nal information	https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1 along with							
, tuaitioi		http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_SR550 for the PSU efficiency details.							
Produc	t environmental attril	butes (EU) 2019/424 – Annex II points 3.1 and 3.3							
F1.a									
(3.1 (e))									
	(expressed iii /// and rounded to the linst declinal place). 🔲 Multi-output 🔀 oingle-output								
	Standard or low-end performance configuration(s):								
	10% 91.6 20% 93. 8	8 50% 95.1 100%	% <mark>94.0</mark> Ave	erage 94.3					
	High-end performance configuration(s):								
	10% 91.4 20% 93. 3		6 93 3 Ave	erane 93.8					
	10/0 01.4 20/0 00.0	30 /0 34.0 100 /	0 33.3 AVC	rage 33.0					
F1.b	Power factor at 50 %		⁄el	standard or low-end performar					
(3.1 (f))	(rounded to three de			configuration: 0.990	configuration: 1.000				
F1.c	PSU rated power out			standard or low-end performar					
(3.1 (g))	(in Watts rounded to	the nearest integer)		configuration: 550	configuration: 750				
	internal note:	vor product family, all DSI is offer	rad in a conver						
	If a product model is part of a ser product family shall be reported w	vith the information specified in (e	e) and (f)						
F1.d	idle state power			standard or low-end performar					
(3.1 (h))	(in Watts and rounde			configuration: 62.9	configuration: 71.2				
F1.e (3.1 (i))	List of all component	is for additional idle p	oower allowa	ances					
(0.1 (1))			standard or	low-end performance	high-end performance				
			configuration		configuration:				
	CPU Performance		1 Socket (10 × PerfCPU W) 2 Socket (7 × PerfCPU W)		X 1 Socket				
					2 Socket				
ıts	Additional PSU		No #: 0	51 (7 4 7 61101 0 77)	Yes #: 1				
mer	HDD	Yes #: 2			No #: 0				
nstı	SDD	No #: 0			Yes #: 2				
adj 19	Additional memory	Yes #: 44G		В	Yes #: 188GB				
power allowances adjustments during testing	Additional buffered DDF	R channel	No #: 0		No #: 0				
/and g te	Additional I/O devices		none		none				
low Lrin			< 1 Gb/s· I	No Allowance	< 1 Gb/s: No Allowance				
era dı				2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port				
) We			\equiv	and < 10 Gb/s: 4,0 W/Active Port	> 1 Gb/s. 2,0 W/Active Fort				
e G			=	·					
idle			=	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 performar					
(3.1 (j))	(in Watts and rounde		place)	configuration: 128.8	configuration: 234.3				
F1.g (3.1 (k))	operating condition of			standard or low-end performar					
(U. 1 (N))	(as defined in Table (0 01 EIP 101 9)		configuration:	configuration:				
				A1	⊠A1				
				Exception comments	Exception comments				
				Exception comments	Exception comments				
F1.h	idle state nower at th	e higher houndary te	emperature	standard or low-end performar	nce high-end performance				
(3.1 (I))				configuration: 132.5	configuration: 140.2				
F1.i	the active state efficiency and the performance in			standard or low-end performar					
(3.1 (m))	active state of the se			configuration: 18.2	configuration: 31				

Server family specific information Family 2

Family no. / name		2 - 2 CPUs 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 Xeon Bronze 3104 * 2, Storage: 1TB HDD * 2, Memory: 16GB(lowest capacity in family) * 6, PSU: 550W					
		High-end performance configuration:					
		Processor(Maximum result of core count * frequency in family): Intel Xeon Gold 5220S * 2, Storage:					
A .1 .1*4* .		480GB SSD * 2, Memory: 32GB * 12, PSU: 750W * 2 Please refer to the comments in Family 1					
	nal information						
F2.a	ct environmental attri	butes (EU) 2019/4	24 – Annex I	1 points 3.1 and 3.3			
(3.1 (e))	See family 1 Or specific to this far	nilv·					
			0 %, 50 % an	nd 100 % of rated output power			
	(expressed in % and rounded to the first decimal place) : Multi-output Single-output						
	standard or low-end		. ,				
	10% 20%	50%	100%	Average			
	high-end performand	ce configuration(s):					
	10% 20%	50%	100%	Average			
F2.b (3.1 (f))	Power factor at 50 %		evel	See family 1			
(3.1 (1))	(rounded to three de-	cimai piaces)		Or specific to this family: standard or low-end performa	noo high and performance		
				configuration:	nce high-end performance configuration:		
F2.c	PSU rated power out	tput		See family 1	<u> </u>		
(3.1 (g))	(in Watts rounded to	the nearest integer	.)	Or specific to this family:			
	internal note:				and think and a suffernment		
	If a product model is part of a ser product family shall be reported v	ver product family, all PSUs off	fered in a server (e) and (f)	standard or low-end performation:	nce high-end performance configuration:		
F2.d	idle state power		(-) (-)	standard or low-end performa			
(3.1 (h))	(in Watts and rounde			configuration: 71.1	configuration: 85.4		
F2.e (3.1 (i))	List of all component	ts for additional idle	<u> </u>		high and parformance		
(3.1 (1))			configuration	r low-end performance on:	high-end performance configuration:		
	CPU Performance	-		et (10 × PerfCPU W)	1 Socket		
			2 Socket (7 × PerfCPU W)		2 Socket		
idle power allowances adjustments during testing	Additional PSU				Yes #: 1		
stm	HDD				No #: 0		
adju g	SDD Additional memory		No #: 0 Yes #: 92GB		Yes #: 2 Yes #: 380GB		
ses s	Additional buffered DDR channel		No #: 0		No #: 0		
vanc	Additional I/O devices		none		none		
allov			< 1 Gb/s:	No Allowance	< 1 Gb/s: No Allowance		
ver a			= 1 Gb/s:	2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port		
yod			> 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		
idle			≥ 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		
F2.f (3.1 (j))	Maximum power	nd to the first decim	al place)	standard or low-end performation: 164.8	nce high-end performance configuration: 408.5		
(3.1 (k))	(See family 1	Coringulation. 400.0		
	(as defined in Table			Or specific to this family:			
				standard or low-end performa			
				configuration:	configuration:		
				☐ A1	∐ A1		
				A2	A2		
				A3	☐ A3		
				Exception comments	Exception comments		
					Exception comments		
F2.h	idle state power at th			See family 1			
(3.1 (l)) of the declared operating condition class (in Watts)		Or specific to this family:					
	(iii vvallo)			standard or low-end performation: 130.8	nce high-end performance configuration: 180.6		
F2.i	the active state effici-	ency and the perfor	mance in	See family 1	comgaration. 100.0		
(3.1 (m)) active state of the server;				Or specific to this family:			
				standard or low-end performa	• •		
				configuration: 13.8	configuration: 36.6		