

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				
	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:				
	nttp://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 stateme	ents given in this declaration.				
Type of product *	Server				
Commercial name *	Lenovo ThinkSystem SR645				
Model number *	7D2X, 7D2Y				
Issue date *	May 26, 2020				
Intended market *	🔀 Global 📃 Europe 🗌 Asia, Pacific & Japan 🗌 Americas 🗌 Other				
Additional information					

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

About Annex B2

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

P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed

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

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

Model n	umber *	7D2X, 7D2Y		Logo			
lssue da	ite *	May 26, 2020			Len	OV	
Produc	t environ	mental attributes - Legal requirements			Requir	emen	t met
Item					Yes	No	N/A
P1	Hazardo	ous substances and preparations					
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference	e and NOTE	B1)	\square		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.					
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CF pmofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, ca ethane, methyl bromide (see legal reference). Comment: Legal reference ration values.	arbontetrach		1-		
P1.4*	Products	s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,0 /l (PCT) in preparations (see legal reference).	05% polych	lorinated	\boxtimes		
P1.5*	Products	do not contain more than 0,1% short chain chloroparaffins (SCCP) with ntaining at least 48% per mass of chlorine in the SCCP (see legal refer		oon atoms i	n the		
P1.6*	(see leg	h direct and prolonged skin contact do not release nickel in concentrational reference). In reference). In the mean state of the reference when tested according to EN1811:2011-5		,5 μg/cm²/v	veek 🔀		
P1.7*	REACH	Article 33 information about substances in articles is available at (add L ww.lenovo.com/us/en/sustainability-resources		contact):	\boxtimes		
P2	Batterie	S					
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is la Information on proper disposal is provided in user manual. (See legal re		he disposa	I 🛛		
P2.2*	Batteries	s or accumulators do not contain more than 0,0005% of mercury or 0,00 e)	02% of cadm	iium. (See	legal 🔀		
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)			X		
P2.4*	Docume	ntation includes the number of cycles the (secondary) battery can withs	stand. (See le	egal referei	nce)		
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional user", the related text is present and legible on the external packaging (see legal reference)						
P3		nity verification & Eco design (ErP)	,				
P3.1*		Juct is CE-marked to show conformance with applicable legal requirement laration of Conformity can be requested at: https://www.lenovo.com/us/			æ). 🔀		
P3.2*	The pro	luct complies with the Eco design requirements for energy-related produced al reference).					
	· •	d information is; given in item P15 or added to this document, available at: <u>https://www.lenovo.com/us/en/c</u>		oco-declara	tion		
P5	Product	packaging	ompilance/e	-ucciald			
P5.1*	Packagi	ng and packaging components do not contain more than 0,01% leasent chromium by weight of these together.	ad, mercury	, cadmium	n and 🔀		
P5.2*	The pac	kaging materials are marked with abbreviations and numbers indicating le legal reference).	the nature of	of the mate	rial(s) 🔀		
P5.3*	The prod (see leg	luct packaging material is free from ozone depleting substances as spec al reference). nt: Legal reference has no maximum concentration values.	cified in the N	Iontreal Pro	otocol 🔀		
P6	Treatme	nt information					
P6.1*	Informat	on for recyclers/treatment facilities is available (see legal reference).			\square		

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 nu	ımber *	7D2X, 7D2Y	Logo			
Issue date * May 26, 2020		May 26, 2020		Len	OVC	DTH
Product	environ	mental attributes - Market requirements (See General NOTE GN	below)			
		onmental conscious design		Require		
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	N/A
P7.1*		Disassembly, recycling It have to be treated separately are easily separable		\square		
P7.2*		naterials in covers/housing have no surface coating.			╞	╞
P7.3*		arts > 100 q consist of one material or of easily separable materials.			╞	++-
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.			<u> </u>	<u> </u>
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly	available tools		<u> </u>	<u> </u>
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).			╞	┝┝
F7.0						
P7.7*	Product	ing can be done e.g. with processor, memory, cards or drives				
P7.8*		ig can be done using commonly available tools			┝┝	
P7.9		arts are available after end of production for: 5 years				<u> </u>
						<u> </u>
P7.10		s available after end of production for: 5 years				
P7.11*		and substance requirements cover/housing material type (e.g. plastics, metal, aluminum):				
1 7.11			al type:			
P7.12		n materials of external electrical cables are PVC free.			\mathbf{X}	
P7.13	Insulatio	n materials of internal electrical cables are PVC free.				Ħ
P7.14		plastic casing/cover parts > 25 g contain no more than $0,1\%$ weight (1000 ppm) b				
	polyvinyl	1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flam chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine i in 25% post-consumer recycled content.				
P7.15	Printed c	ircuit boards, PCBs (without components) are low halogen: all	are low halog	en		
P7.16		tarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:				
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without c	omponents):			
	TBBPA (additive) 🦲, TBBPA (reactive) 🗌 (See NOTE B3), Other: chemical name:	, CAS #:			
		nemical specifications of flame retardants in printed circuit boards (without compon g ISO 1043-4:	ents) > 25 g			
P7.18		ame retarded plastic parts > 25 g contain the following flame retardant substance	o/proporationa			
F7.10		ations above 0.1%:	es/preparations			
		ical name: , CAS #: (See NOTE B4)				
		ical name: , CAS #: "				
		ical name: , CAS #: "				
	<u>Alt. 2: </u> Ch	nemical specifications of flame retardants in plastic parts > 25 g according ISO 104	3-4:			
P7.19	In plastic	parts > 25 g, flame retardant substances/preparations above 0,1% are used which	h have been			
	assigned	I the following Risk phrases; and Hazard statements:				
			See note B5)			
P7.20*	Postcons	sumer recycled plastic material content is used in the product (See Note B6):			\bowtie	
	a) Oft ape or	t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material conter ercentage of total plastic by weight) is %.	nt (calculated a	S		
	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 <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>.

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 *	7D2X, 7D2Y	Logo	
Issue date *	May 26, 2020		LEIIUVU

Product environmental attributes - Market requirements (continued) Item Requirement metYesNoN/A

		bstance requirements					
	1	material content is used	1 (DTE B7):			
		e free from mercury, i.e. ed specify: Number of lan		Im mercury content pe	er lamp: mg		
P7.23*	If product include	es an integral display, the					
P8	Batteries						
P8.1*	Battery chemica	I composition:					
		nption (See NOTE B8)					
		the following power level					
Energy mode	e *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy X modes and test method *		
Peak (On-m	ax)	W	W	W	Full load		
Category							
EPS No-load	k	W	W	W			
(External pov							
	ged in the wall						
	connected from						
the product.) PTEC *		W	14/	10/			
	gy Consumption		W	W			
ETEC *	gy consumption	kWh/year	kWh/year	kWh/year			
Annual Ener	gy Consumption		.,	· , · · ·			
External Pov	ver Supply Effici	ency Level (International	Efficiency Marking Pro	tocol) * :			
Display reso	lution * :	megapixels					
Default time	to enter energy	save mode: minut	es				
P9.2*	Information abou	ut the energy save function	on is provided with the	product.			
P9.3	Energy efficienc	y class (monitors only):					
P10	Emissions						
	Noise emission	 Declared according to 	ISO 9296 (See NOTE				
-	Mode	Mode description		Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)			
	Idle	* idle		* 6.1			
	Operation	* Operating		* 6.5			
	Other mode	Declared A-weighted sound	d pressure level (dB)	(operator po	osition desktop – idle)		
		L _{pAm}					
•	Other mode	Declared A-weighted sound	d pressure level (dB)	(operator po	osition desktop – operating)		
		L _{pAm}	1				
	Measured accor	ding to: 🔀 ISO 7779 🔄	ECMA-74				
		Other	(only if not covered by	ECMA-74)			
	Electromagneti		<i>c</i> ,				
	Computer displa program(s):	y meets the requirement	tor low frequency elect	tromagnetic fields of th	he following voluntary		

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

Model nu	mber *	7D2X, 7D2Y				Logo			
lssue dat	e *	May 26, 2020				Lenc	_enovo"		
Product	environr	nental attribut	es - Market requiremen	ts (continued)			Require	ement	met
Item							Yes	No	N/A
P12		nics for compu							
P12.1*	The disp	lay meets the er	gonomic requirements of ISC	D 9241-307 for vi	sual display technolo	gies.			\square
P12.2*	The phy	sical input device	meets the requirements of	ISO 9995 and IS	O 9241-410.				\square
P13	Packagi	ng and docume	ntation						
P13.1*	Product	packaging mater	ial type(s): <i>Paper - Corruga</i> ial type(s): <i>Plastic - PE (pol</i> ial type(s): <i>Paper - Corruga</i>	lyethylene)	weight (kg): 3.227 weight (kg): 1.34 weight (kg): 0.243				
P13.2*			ackaging is free from PVC.	Ŭ	0 (0)		\boxtimes		
P13.3*	* For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post- consumer recovered fiber content: %								
P13.4*		nedia for user ar ronic, ⊠Paper,	nd product documentation (ti	ck box):					
P13.5	User and	<i>,</i> ,	is item if paper documentation entation on paper media is c	,					
	Totally c	hlorine-free					\boxtimes		
	Element	al chlorine-free							
	Process	ed chlorine-free							
P14	Volunta	ry programs							
P14.1	The proc	luct meets the re	quirements of the following	voluntary prograr	n(s):				
	ENERG Eco-labe	Y STAR® el:	Criteria version: Criteria version:	Date: Date:		category: category:			
	Eco-labe		Criteria version:	Date:	Product	category:			
P15			(See NOTE B10)						
P9			f computer products; desc						
	the info supplie informa Accoun	rmation contain r's knowledge a tion. The inform t Representative	no representations, guara ed in this document. All in vailable at the time of com ation provided here is app e for more information.	formation provi pletion, and sup proximate and p	ded by supplier in t oplier shall have no rovided for informa	his docume obligation to	nt is provided pupdate such	based	don
P9	See Ene https://v	ergy Star Qualifi www.energystar	ed Enterprise Servers for t .gov/products/data_center	the latest inform equipment/ent	ation: erprise servers				

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

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive)* * Specific exemptions apply for certain products and applications.	P1.1, P3.1
Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers	P2.4, P2.5, P3.1, P3.2, P7.23, P9.1
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1
Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register.	
Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	

Lenovo ErP Lot9 Information Sheet - Servers & Storage Products-

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

Products scope of this sheet: Servers & storage products

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

SERVERS

General information			
Commercial name (3.1 (b))	Lenovo ThinkSystem SR645	Logo	
Contact Address (3.1 (b))	7001 Development Dr. Building 7,Morrisville, NC 27560, United		
	States		Lenovo
Model Number (3.1 (c))	7D2X, 7D2Y		Lenovo.
Issue Date	May 26, 2020		
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 (3.1 (d))	Year of manufacture: 2020
1.d (3.1 (p))	Product model part of a server product family? No Yes List of all model configurations that are represented by the model: http://psref.lenovo.com/
1.e	Information on the secure data deletion functionality
(3.1 (n))	 (a) instructions on how to use the functionality: 2 methods are provided to use the functionality. 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.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 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: <u>https://en.wikipedia.org/wiki/Hdparm</u>
	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? X No Yes 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 Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g Isss than 5 g Image: Strain S g Isss than 5 g
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. OR - Reference to other information: https://thinksystem.lenovofiles.com/help/index.jsp
2.c	Firmware
	Reference to information on last available firmware: https://datacentersupport.lenovo.com/cn/en
Additional	information

Server family specific information Family 1

Family I	no. / name	1 - 1 CPU populated fam	ilv		
	umber(s) / Description	Standard or low-end perform	nance configuration:	mily): AMD ROME 7252 , Storage: 600GB	
		HDD * 2, Memory: 16GB(lowest capacity in family) * 8, PSU: 500W * 2			
		High-end performance confi	guration:		
				amily): AMD ROME 7H12, Storage: 1.6TB	
		SSD * 2, Memory: 64GB * 16	, PSU: 1100W * 2		
Additio	nal information			sPowerSuppliesDetail.aspx?id=49&type=1	
			com/ for the PSU efficiency deta	alls.	
		Dutes (EU) 2019/424 – Annex			
F1.a (3.1 (e))			nd 100 % of rated output power ce): 🗌 Multi-output 🛛 Singl		
		performance configuration(s): 93.64% 50% 94.91% 100%	93.77% Average 94.10%		
		94.37% 50% 95.23% 100%			
F1.b		of the rated load level	standard or low-end performa		
(3.1 (f))					
F1.c (3.1 (g))	(in Watts rounded to		standard or low-end performa configuration: 500	nce high-end performance configuration: 1100	
F1.d	internal note: If a product model is part of a ser product family shall be reported w idle state power	ver product family, all PSUs offered in a server ith the information specified in (e) and (f)	standard or low-end performa	nce high-end performance	
(3.1 (h))		d to the first decimal place)	configuration: 87.4	configuration: 123.3	
F1.e	(in Watts and rounded to the first decimal place) configuration: 87.4 configuration: 123.3 List of all components for additional idle power allowances				
(3.1 (i))					
			r low-end performance	high-end performance	
		configurati	on:	configuration:	
	CPU Performance	🔀 1 Sock	tet (10 × PerfCPU W)	1 Socket	
		2 Sock	xet (7 × PerfCPU W)	2 Socket	
ents	Additional PSU	Yes/Nes/N	o) #: 1	Yes (Yes / No) #: 1	
tme	HDD	Yes/Nes/N	o) #: 2	No (Yes / No) #: 0	
ljus	SDD	No(Yes / No		Yes(Yes / No) #: 2	
s ac ing	Additional memory	· · · · · · · · · · · · · · · · · · ·	o) #: 124GB	Yes(Yes / No) #: 1020GB	
esti	Additional buffered DDF	R channel No(Yes / No)	#: 0	No (Yes / No) #: 0	
var ng t	Additional I/O devices	none		none	
lurin la		1 Gb/s	No Allowance	< 1 Gb/s: No Allowance	
era		= 1 Gb/s	2,0 W/Active Port	= 1 Gb/s: 2,0 W/Active Port	
power allowances adjustments during testing			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	\geq 10 Gb/s and < 25Gb/s: 15.0 W/Active Port	
ġ					
			s and < 50Gb/s: 20,0 W/Active Port	≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port	
E4 (<u> </u>	≥ 50 Gb/	s 26,0 W/Active Port	≥ 50 Gb/s 26,0 W/Active Port	
F1.f (3.1 (j))		d to the first decimal place)	standard or low-end performa configuration: 151.9	configuration: 335.7	
F1.g (3.1 (k))	operating condition c (as defined in Table (standard or low-end performa configuration:		
(0.1 (k))	(as defined in Table)		A1 A2 A3 A4	configuration: ☐A1 ⊠A2 ☐A3 ☐A4	
			Exception comments	Exception comments	
F1.h (3.1 (l))	of the declared operation	e higher boundary temperature ting condition class (in Watts)	standard or low-end performa configuration: 117.0	nce high-end performance configuration: 132.8	
F1.i (3.1 (m))	the active state efficient active state of the se	ency and the performance in rver;	standard or low-end performa configuration: 24.4	nce high-end performance configuration: 54.9	

Server family specific information Family 2

Family	no. / name	2 - 2 CPUs populated fai			
	number(s) / Description	Standard or low-end perform	nance configuration:		
(3.1 (c))				amily): AMD ROME 7252 , Storage: 600GB	
			vest capacity in family) * 16, P	'SU: 500W * 2	
		High-end performance confi		family): AMD ROME 7H12, Storage: 1.6TB	
		SSD * 2, Memory: 64GB * 16		Taminy): AMD ROME THIZ, Storage: 1.01B	
Additio	nal information	You can refer to <u>https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&type=1</u> along with <u>http://psref.lenovo.com/</u> for the PSU efficiency details.			
	ct environmental attri	butes (EU) 2019/424 – Annex	II points 3.1 and 3.3		
F2.a	🔀 See family 1				
(3.1 (e))	Or specific to this far				
			ind 100 % of rated output power		
			ace) : 🔄 Multi-output 📃 Sing	gle-output	
		performance configuration(s):			
	10% 20%	50% 100%	Average		
	high-end performand 10% 20%	ce configuration(s): 50% 100%	Average		
F2.b		of the rated load level	See family 1		
(3.1 (f)) (rounded to three de			Or specific to this family:		
		· ·	standard or low-end performa	ance high-end performance	
			configuration:	configuration:	
F2.c	PSU rated power ou		🔀 See family 1		
(3.1 (g))	(in Watts rounded to	the nearest integer)	Or specific to this family:		
	internal note:		atandard or law and north	high and performance	
	If a product model is part of a ser	rver product family, all PSUs offered in a server with the information specified in (e) and (f)	standard or low-end performa configuration:	ance high-end performance configuration:	
F2.d	idle state power		standard or low-end performa		
(3.1 (h))	(in Watts and rounde	ed to the first decimal place)	configuration: 90.9	configuration: 188.2	
F2.e	List of all componen	ts for additional idle power allow			
(3.1 (i))		standard o	or low-end performance	high-end performance	
		configurati		configuration:	
	CPU Performance		ket (10 × PerfCPU W)	1 Socket	
s			ket (7 × PerfCPU W)	2 Socket	
Jeni	Additional PSU HDD	No(Yes / No	,	Yes(Yes / No) #: 1	
ustn	SDD	Yes(Yes / No No(Yes / No		No(Yes / No) #: 0 Yes(Yes / No) #: 2	
adjı g	Additional memory	Yes / No Yes / No		Yes(Yes / No) #. 2 Yes(Yes / No) #: 1020	
stin	Additional buffered DDF		,	Yes(Yes / No) #: 8	
power allowances adjustments during testing	Additional I/O devices	none		none	
llow			: No Allowance	< 1 Gb/s: No Allowance	
er al dt			: 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					
ē			/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	
F2.f	Maximum power	≥ 50 Gb/	/s 26,0 W/Active Port standard or low-end performa	≥ 50 Gb/s 26,0 W/Active Port	
FZ.f (3.1 (j))		ed to the first decimal place)	configuration: 279.3	configuration: 619.1	
(3.1 (k))	Operating condition	class	See family 1		
	(as defined in Table		Or specific to this family:		
			standard or low-end performa	ance high-end performance	
			configuration:	configuration:	
			A1	A1	
			A2	A2	
			A3	A3	
			A4	A4	
			Exception comments	Exception comments	
F2.h	idle state power at th	ne higher boundary temperature	e See family 1	<u> </u>	
(3.1 (l))	of the declared operation		Or specific to this family:		
	(in Watts)		standard or low-end performa	ance high-end performance	
			configuration: 159.4	configuration: 184.3	
		ency and the performance in	See family 1		
F2.i (3.1 (m))	the active state effici active state of the se		Or specific to this family:		
F2.i (3.1 (m))				ance high-end performance configuration: 63.2	