

### 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		LEIIOVO
	alcarter@lenovo.com		
Internet site *	https://www.lenovo.com/us/en/sustainability-supply-chain/		
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 statement	nts given in this declaration.
Type of product *	SERVER
Commercial name *	ThinkSystem SR655 V3, ThinkAgile VX655 V3
Model number *	7D9E, 7D9F, 7D9W
Issue date *	2023-03-09
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.

wodel n	umber *	7D9E, 7D9F, 7D9W	Logo	Long		
lssue da	ate *	2023-03-09		Leng		
Produc	t environ	mental attributes - Legal requirements		Require	ment	t met
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	B1)	$\square$		
P1.2*		o do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.		$\boxtimes$		
P1.3*	hydrobro trichloro	o do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no m ation values.				
P1.4*		do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych I (PCT) in preparations (see legal reference).	lorinated	$\square$		
P1.5*		do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carb ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	oon atoms in	the 🔀		
P1.6*	(see lega	h 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/we	ek 🔀		
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail ovww.lenovo.com/us/en/Lenovo-REACH-SVHC-	contact):			
P2	Batterie	S				
P2.1*		duct contains a battery or an accumulator, the battery/accumulator is labeled with t Information on proper disposal is provided in user manual. (See legal reference)	he disposal	$\square$		
P2.2*	Batteries referenc	e or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadme)	nium. (See leç	gal 🔀		
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 referenc	e)		$\square$
P2.5*		ternal batteries of a notebook computer cannot be "accessed and replaced by a not e related text is present and legible on the external packaging (see legal reference)				
P3	Conform	nity verification & Eco design (ErP)				
P3.1*	The Dec	luct is CE-marked to show conformance with applicable legal requirements (see leg laration of Conformity can be requested at: https://www.lenovo.com/us/en/comp https://www.lenovo.com/us/en/compliance/uk-doc for UK				
P3.2*		luct complies with the Eco design requirements for energy-related products, al reference).		$\boxtimes$		
	Required	I information is; given in item P15 or added to this document, available at: https://www.lenovo.com/us/en/compliance	ce/eco-			
	declara					
P5		packaging	e a dire la ma			
P5.1*	hexavale	ng and packaging components do not contain more than 0,01% lead, mercury ant chromium by weight of these together.				
P5.2*	used (se	kaging materials are marked with abbreviations and numbers indicating the nature of e legal reference).				
P5.3*	(see lega Commer	luct packaging material is free from ozone depleting substances as specified in the N al reference). nt: Legal reference has no maximum concentration values.	Iontreal Proto	ocol 🔀		
P6		nt information				
P6.1*	Informati	on for recyclers/treatment facilities is available (see legal reference).		$\boxtimes$		

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 *	7D9E, 7D9F, 7D9W	Logo	Lon		
Issue dat	te *	2023-03-09		Len		тн
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 at have to be treated separately are easily separable				
					<u> </u>	<u> </u>
P7.2*		naterials in covers/housing have no surface coating.			<u> </u>	<u> </u>
P7.3*		arts > 100 g 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.				
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	available tools.	$\square$		
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).		$\square$		
		lifetime				
P7.7*		ng can be done e.g. with processor, memory, cards or drives				
P7.8*	Upgradir	ng can be done using commonly available tools		$\square$		
P7.9	Spare pa	arts are available after end of production for: years				
P7.10	Service i	is available after end of production for: years				
		and substance requirements				
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum):				
P7.12		type: Metal Material type: Plastic Materia n materials of external electrical cables are PVC free.	al type:			
				<u> </u>		
P7.13		n materials of internal electrical cables are PVC free.				<u> </u>
P7.14	weight (	plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) b 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame	e retardants, a	ind		
		chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in an 25% post-consumer recycled content.	n parts containi	ng		
P7.15	Printed of	ircuit boards, PCBs (without components) are low halogen: all 🗌 PCBs > 25 g 🦲	are low halog	jen		
P7.16	as define	ed in IEC 61249-2-21. (See <sup>5</sup> NOTE B2) etarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:				
	Marking:					
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without co	. ,			
		(additive) , TBBPA (reactive) (See NOTE B3), Other: chemical name:	, CAS #:			
		nemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4:	ents) > 25 g			
P7.18	<u>Alt. 1: Fl</u>	ame retarded plastic parts > 25 g contain the following flame retardant substance	s/preparations	in		
		ations above 0,1%:				
		ical name: , CAS #: (See NOTE B4)				
		ical name: , CAS #: " ical name: , CAS #: "				
		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	n have been		Π	Π
	assigned	the following Risk phrases; and Hazard statements:				
	The sour	rce(s) for these classifications is/are found at (add URL(s)):	See note B5)			
P7.20*		sumer recycled plastic material content is used in the product (See Note B6):			$\boxtimes$	
	If YES <sup>.</sup> a	at least one of the two alternatives below shall be answered;				
		total plastic parts' weight > 25 g, the postconsumer recycled plastic material conten	t (calculated a	s		
	ape	ercentage of total plastic by weight) is %.				
	or					
1	b) The	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 <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 *	7D9E, 7D9F, 7D9W	Logo	Lenovo
Issue date *	2023-03-09		
Product environm	nental attributes - Market requirements (continued)		Requirement met

Item

Material and substance requirements (continued)         P7.21       Biobased plastic metral acontent is used in the product (See NOTE B7):       I         If YES; at least one of the two alternatives below shall be answered:       of total plastic parts' weight 25 g, the biobased plastic material content (calculated as a percentage of total plastic parts' weight 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.         0       The weight of the biobased plastic material is g.       g.         P1.22       Up total in plastic by metric to the total mercury content per lamp; mg       in g.         P1.23       If product includes an integral display, the total mercury content per lamp; mg       in g.         P1.1       Batteries       prover level at metric display; mg       in g.         P3.1       For the product the following power levels or energy consumptions are reported:       medes and test method *         Power level at display in the yad.       Power level at metric display; modes and test method *       Power level at metric display; modes and test method *         Pesk (On-max)       W       W       W       W       W         Pesk (On-max)       W       W       W       W       Zetage plagged in the wall       Setameter and test method *         Prover level of the product)       W       W       W       W       Zetarge plagged in the wall       Se									
If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of or total plastic by weight) = x. b) The weight of the biobased plastic material content (calculated as a percentage of control plastic parts' weight) is iteration to the grant of the biobased plastic material content (calculated as a percentage of control plastic parts' weight) = x. b) The weight of the biobased plastic material content (calculated as a percentage of control plastic plastic plastic) = x. b) The weight of the biobased plastic material is g. b) The weight of the biobased plastic material is made maximum mercury content per lamp: mg plastic plastic plastic) = x. b) The weight of the biobased plastic material content in the integrated display: mg plastic plastic plastic plastic) = x. b) The metry is used specify: Number of lamps: and maximum mercury content per lamp: mg plastic plastic plastic) = x. b) The metry consumption (See NOTE B) b) The for the product the following power levels or energy consumptions are reported: characterize the set of the weight of the biobased plastic material to the metry weight of the biobased plastic material to the metry weight of the biobased plastic material to the set of the product the context of the weight of the weight of the biobased plastic material to the metry weight of the biobased plastic material to the metry were set of the power level at the total context of the metry were set of the power level at the total context of the metry were set of the biobased plastic material to the metry weight of the biobased plastic material to the total plastic plastic material to the total plastic plastic plastic plastic metric to the metry were set of the product to the total plastic pl	D7.04*								
<ul> <li>a) Of total plastic parts' weight &gt; 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.</li> <li>b) The weight of the biobased plastic material is g.</li> <li>P7.22' Light sources are free from mercury, i.e. less than 0,1 mg/lamp. Immercury content per lamp: mg</li> <li>mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg</li> <li>P3</li> <li>Batteries</li> <li>P3.1 For the product the following power level at Power level</li></ul>	P7.21°	Biobased plastic r	naterial content is used	in the product (See NC	DIEB7):			$\bowtie$	
b)       The weight of the biobased plastic material is       g.         P7.22       Light sources are free from mercury. (i.e. less than 0.1 mg/amp.)       md maximum mercury content per lamp:       mg       mg         P8.       Easteries       mg		a) Of total plast	ic parts' weight > 25 g, t			ated as a percentage of			
P7.22* Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Lumber of lamps: and maximum mercury content per lamp: mg P7.23* If product includes an integral display, the total mercury content in the integrated display: mg P7.23* If product includes an integral display, the total mercury content in the integrated display: mg P7.23* If product includes an integral display, the total mercury content in the integrated display: mg P7.23* If product includes an integral display, the total mercury content in the integrated display: mg P7.23* If product includes an integral display, the total mercury content in the integrated display: mg P7.23* If product includes an integral display, the total mercury content in the integrated display: mg P7.24* If product the following power levels to energy consumptions are reported: Energy consumption (See NOTE 88) P9.1 For the product the following power levels at Power level at									
If mercury is used specify: Number of lamps:       and maximum mercury content per lamp:       mg       mg         P7.23*       If product includes an integral display, the total mercury content in the integrated display:       mg       mg       mg         P8       Battery Semiplical Composition:       Lithium Manganese Dioxide       mg	D7 00*								
P7.23**       If product includes an integral display, the total mercury content in the integrated display:       mg       Image: Second Se	P7.22"				im mercury content pe	erlamp: mo	$\bowtie$		
P8.1*       Battery chemical composition: Lithium Manganese Dioxide         P9       Energy consumption (See NOTE B8)         P9.1       For the product the following power levels or energy consumptions are reported:         Energy mode*       Power level at 100 VAC       Power level at 200 VAC         Peak (On-max)       W       W       W         Category       EPS No-load       KW       W         EPS No-load       W       W       W         Category       EPS No-load       W       W         EPS No-load       W       W       W         Chargy Consumption       W       W       W         Typical Energy Consumption       KWh/year       KWh/year       S         Etters No-load       Etters No-load       S       S         Display resolution ':       megapixels       S       S         Display resolution ':       megapixels       S       S         P9.2*       Information about the energy save mode:       S       S         P10.1       Mode       Mode description       Statistical upper limit A-weighted sound power level, L <sub>unc</sub> (B)         Noise emission – Declared according to ISO 9296 (See NOTE B9)       S       S         P10.1       Mode       Mod	P7.23*								$\boxtimes$
P9       Energy consumption (See NOTE B8)         P9.1       For the product the following power levels or energy consumptions are reported:         Energy mode*       Power level at 100 VAC       Power level at 230 VAC         Peak (On-max)       W       W         Category       EPS No-load       W         EPS No-load       W       W         (External power supply / charge plugged in the wall outlet but disconnected from the product).       W         PTEC *       W       W         Pypical Energy Consumption       W       W         External Power Supply / the product).       W       W         PTEC *       W       W       W         Panual Energy Consumption       KWh/year       KWh/year       XW         External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :       Image plugged in the wall outlets       Image plugged plugge	P8	Batteries		-					
P9.1       For the product the following power levels or energy consumptions are reported:         Energy mode *       Power level at 100 V AC       Power level at 115 V AC       Power level at 20 V AC       Reference/Standard for energy X         Peak (On-max)       W       W       W       W       Full load         Category EPS No-load ply / charge plugged in the wall outlet but disconnected from the product.       W       W       W         PTEC *       W       W       W       W       W         PTEC *       KWhiyear       KWhiyear       KWhiyear       X         Annual Energy Consumption       K       X       X       X       X         Display resolution *:       megapixels       X       X       X       X       X         P9.2       Information about the energy save function is provided with the product.       X	P8.1*	Battery chemical	composition: Lithium M	langanese Dioxide					
P9.1       For the product the following power levels or energy consumptions are reported:         Energy mode *       Power level at 100 V AC       Power level at 115 V AC       Power level at 230 V AC       Reference/Standad for energy ()         Peak (On-max)       W       W       W       W       Full load         Category EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product)       W       W       W         PTEC * Annual Energy Consumption       KWh/year       KWh/year       KWh/year       ()         PTEC * Annual Energy Consumption       KWh/year       KWh/year       ()       ()         Default time to enter energy save mode:       minutes       ()       ()       ()         P9.3       Energy efficiency class (monitors only):       ()       ()       ()       ()         P10.1       Mode description       Statistical upper limit A-weighted sound power level, L <sub>Wac</sub> (B)       ()         P10.1       Mode description       \$ 5.1       ()       ()       ()         Idle       ' Typical Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4       ()       ()         Idle       ' Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4       )       )         Idle       <	P9	Energy consump	tion (See NOTE B8)	-					
Energy mode *       Power level at 100 VAC       Power level at 115 VAC       Power level at 200 VAC       Reference/Standard for energy (X)         Peak (On-max)       W       W       W       W       Full load         Category EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)       W       W       W       W         PTEC *       W       W       W       W       W       M         Typical Energy Consumption       KWh/year       KWh/year       KWh/year       M       M         Energy efficiency Level (international Efficiency Marking Protocol) * :       Image and the mergy and the energy save mode:       Image and the protocol) * :       Image and the protocol * :         Display resolution * :       megapixels       Image and the protocol * :       Image and the protocol * :       Image and the protocol * :         P9.2*       Information about the energy save function is provided with the product.       Image and the protocol * :       Image and the protocol * :       Image and the protocol * :         P10       Emissions       Image and the description       Statistical upper limit A-weighted sound power level, Lwa, (B)       Image and the protocol * :       Image and the protocol * :         Idle       * Typical Configuration       * 6.6       Statistical upper limit A-weighted sound power level, Lwa, (B)	P9.1	For the product th	e following power levels	s or energy consumptio	ons are reported:				
Category         CPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)       W       W       W         PTEC - the product.)       W       W       W       W         PTEC - stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       Image: Stemar Power Supply Efficiency Level (International Efficiency Level Supply Efficiency Level (Internation Boult the product.       Image: Stemar Power P	Energy mo		Power level at	Power level at	Power level at			ergy	$\square$
EPS No-load       W       W       W       W         (External power supply / charger plugged in the wall outlet but disconnected from the product.)       W       W       W         PTEC *       W       W       W       X         PTEC *       W       W       W       X       X         PTO       Energy Consumption       KWh/year       KWh/year       X       X         Default time to enter energy save mode:       minutes       Image: S       X       X       Image: S         Default time to enter energy save mode:       minutes       Image: S       Image: S <td>Peak (On-</td> <td>max)</td> <td>W</td> <td>W</td> <td>W</td> <td>Full load</td> <td></td> <td></td> <td></td>	Peak (On-	max)	W	W	W	Full load			
EPS No-load       W       W       W       W         (External power supply / charger plugged in the wall outlet but disconnected from the product.)       W       W       W         PTEC *       W       W       W       X         PTEC *       W       W       W       X       X         PTO       Energy Consumption       KWh/year       KWh/year       X       X         Default time to enter energy save mode:       minutes       Image ission       X       Image ission       X       Image ission       Image	Catagor	V.							
(External power supply / charger plugged in the wall outlet but disconnected from the product.)       W       W       W         PTEC * Typical Energy Consumption       KWh/year       kWh/year       kWh/year       X         Annual Energy Consumption       KWh/year       kWh/year       X       X         External Power Supply Efficiency Level (International Efficiency Marking Protocol) *:       X       X         Display resolution *:       megapixels       X       X         Default time to enter energy save mode:       minutes       X       X         P9.2*       Information about the energy save function is provided with the product.       X       X       X         P9.3       Energy efficiency class (monitors only):       X       X       X       X         P10       Emissions       Declared according to ISO 9296 (See NOTE B9)       X       X       X       X         P10.1       Mode       Mode description       Statistical upper limit A-weighted sound power level, L <sub>MAC</sub> (B)       X			۱۸/	W	\٨/				
charger plugged in the wall outlet but disconnected from PTEC * VVVV W VV VV Annual Energy Consumption ETEC * KWh/year KWh/year KWh/year KWh/year KWh/year C External Power Supply Efficiency Level (International Efficiency Marking Protocol) *: C Display resolution *: megapixels Default time to enter energy save mode: minutes P9.2* Information about the energy save function is provided with the product. P9.3 Energy efficiency class (monitors only): P10 Emission P10 Emission P10 Idle Voice Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Computer Marking Rich Configuration Statistical upper limit A-weighted sound power level, L <sub>WAC</sub> (B) Idle Starge Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigress CPU to 80% TDP or Stress GPU to TDP) Idle Storage Rich Configuration Vigres			~~	vv	vv				
the product.) PTEC * W W W W PTEC * W W W W Typical Energy Consumption External Power Supply Efficiency Level (International Efficiency Marking Protocol) *: Display resolution *: megapixels Default time to enter energy save mode: minutes P9.2* Information about the energy save function is provided with the product. P9.3 Energy efficiency class (monitors only): P10 Emission - Declared according to ISO 9296 (See NOTE B9) P10.1 Mode Mode description Idle * Typical Configuration (Stress CPU to 80% TDP or Stress GPU to TDP) Idle * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP) Measured according to: Storage Rich Configuration * 7.4 Operation * Storage Rich Configurati	charger plu	ugged in the wall							
PTEC *       W       W       W       W         Typical Energy Consumption       kWh/year       kWh/year       kWh/year       kWh/year         Annual Energy Consumption       kWh/year       kWh/year       kWh/year       kWh/year       kWh/year         Annual Energy Consumption       kWh/year       kWh/year       kWh/year       kWh/year       kWh/year         Display resolution *:       megapixels       megapixels       kWh/year       kWh/year       kWh/year         Default time to enter energy save mode:       minutes       kWh/year       kWh/year       kWh/year         P9.2*       Information about the energy save function is provided with the product.       kWh/year       kWh/year       kWh/year         P9.3       Energy efficiency class (monitors only):       kWh/year       kWh/year       kWh/year         P10       Emissions       Mode description       Statistical upper limit A-weighted sound power level, Lwa,c (B)       kH/year         P10.1       Mode       Mode description       * 8.1       kH/year       * 8.1         Idle       * Typical Configuration       * 7.4       kH/year       * 8.1         Operation       * Storage Rich Configuration       * 7.4       kH/year       * 7.4         Operation <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Typical Energy Consumption       kWh/year       kWh/year       kWh/year         ETEC*       kWh/year       kWh/year       kWh/year         Annual Energy Consumption       kWh/year       kWh/year       x         External Power Supply Efficiency Level (International Efficiency Marking Protocol)*:       x       x         Display resolution*:       megapixels       x       x         Default time to enter energy save mode:       minutes       x       x         P9.2*       Information about the energy save function is provided with the product.       x       x       x         P9.3       Energy efficiency class (monitors only):       x       x       x       x       x         P10       Emission       - Declared according to ISO 9296 (See NOTE B9)       x	<u> </u>	t.)							
ETEC * Annual Energy Cosumption       kWh/year       kWh/year       kWh/year         External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :       Image: Constraint of the second	-	oray Consumption	W	W	W				$\boxtimes$
Annual Energy Consumption       *<		ergy Consumption	kWb/yoor	kWb/yoor	k\M/b/voor				
External Power Supply Efficiency Level (International Efficiency Marking Protocol)*:       Image: Constraint of the series of the		eray Consumption	KVVII/yeai	Kvvii/yeai	Kvvii/yeai				M
Display resolution *:       megapixels         Default time to enter energy save mode:       minutes         P9.2*       Information about the energy save function is provided with the product.       Image: Comparison of the product of the product.         P9.3       Energy efficiency class (monitors only):       Image: Comparison of the product of th			ncy Level (International	Efficiency Marking Pro	tocol) * :				$\square$
Default time to enter energy save mode:       minutes         P9.2*       Information about the energy save function is provided with the product.       Image: Constraint of the product of the		,	, ,	, 0	,				
P9.2*       Information about the energy save function is provided with the product.       Image: Constraint of the energy save function is provided with the product.         P9.3       Energy efficiency class (monitors only):       Image: Constraint of the energy save function is provided with the product.       Image: Constraint of the energy save function is provided with the product.         P10       Emissions       Noise emission – Declared according to ISO 9296 (See NOTE B9)         P10.1       Mode       Mode description       Statistical upper limit A-weighted sound power level, L <sub>WA.c</sub> (B)         Idle       * Typical Configuration       * 6.6       Image: Constraint of the energy save function of the energy sa			6 1	95					
P9.3       Energy efficiency class (monitors only):       Image: constraint of the second sec		0,			araduct				++-
P10       Emissions Noise emission – Declared according to ISO 9296 (See NOTE B9)         P10.1       Mode       Mode description         Idle       * Typical Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 6.6         Idle       * GPU Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 8.1         Idle       * GPU Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Idle       * GPU Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Idle       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Idle       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions       * 00ther         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary			6,						
Noise emission – Declared according to ISO 9296 (See NOTE B9)         P10.1       Mode       Mode description       Statistical upper limit A-weighted sound power level, L <sub>WA,c</sub> (B)         Idle       * Typical Configuration       * 6.6			ciass (monitors only).						
P10.1       Mode       Mode description       Statistical upper limit A-weighted sound power level, L <sub>WA,c</sub> (B)         Idle       * Typical Configuration       * 6.6         Operation       * Typical Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 8.1         Idle       * GPU Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Idle       * GPU Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Idle       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Idle       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.4         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions       F10.4         Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary       Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary	P10		- Declared according to	ISO 9296 (See NOTE	B9)				
Idle       * Typical Configuration       * 6.6         Operation       * Typical Configuration       * 8.1         Idle       * GPU Rich Configuration       * 8.1         Idle       * GPU Rich Configuration       * 7.4         Operation       * GPU Rich Configuration       * 8.6         (Stress CPU to 80% TDP or Stress GPU to TDP)       * 8.6         Idle       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration       * 7.4         Idle       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)       Other         Electromagnetic emissions       Electromagnetic fields of the following voluntary       Image: Storage Rich for Streage Rich for Streage Rich for Idow frequency electromagnetic fields of the following voluntary	P10.1					it A-weighted sound pov	ver level.	LWAG	(B)
Idle       • GPU Rich Configuration       * 7.4         Operation       • GPU Rich Configuration       * 8.6         Idle       • Storage Rich Configuration       * 7.4         Idle       • Storage Rich Configuration       * 7.4         Idle       • Storage Rich Configuration       * 7.4         Operation       • Storage Rich Configuration       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       Other       Only if not covered by ECMA-74)         Electromagnetic emissions       F       F         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary       Image: Configuration				n		5	,	111,0	ΎΠ
Idle       • GPU Rich Configuration       * 7.4         Operation       • GPU Rich Configuration       * 8.6         Idle       • Storage Rich Configuration       * 7.4         Idle       • Storage Rich Configuration       * 7.4         Idle       • Storage Rich Configuration       * 7.4         Operation       • Storage Rich Configuration       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       Other       Only if not covered by ECMA-74)         Electromagnetic emissions       F       F         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary       Image: Configuration		Operation '	Typical Configuration	n	* 8.1				Ē
Operation       * GPU Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 8.6         Idle       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary				OP or Stress GPU to					
Idle       * Storage Rich Configuration       * 7.4         Idle       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration       * 7.5         Idle       * Storage Rich Configuration       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       Other       (only if not covered by ECMA-74)         Electromagnetic emissions         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary       Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"									
Idle       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary					* 8.6				
Idle       * Storage Rich Configuration       * 7.4         Operation       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary				OP or Stress GPU to					
Operation       * Storage Rich Configuration (Stress CPU to 80% TDP or Stress GPU to TDP)       * 7.5         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions       P10.4         Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary       Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary			/	uration	* 7.4				
TDP         Measured according to:       ISO 7779       ECMA-74         Other       (only if not covered by ECMA-74)         Electromagnetic emissions         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary       Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary	Ì								
Other       (only if not covered by ECMA-74)         Electromagnetic emissions       Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary				OP or Stress GPU to					
Other       (only if not covered by ECMA-74)         Electromagnetic emissions       Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary         P10.4       Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary		Measured accordi	ing to: 🔀 ISO 7779 🗌	ECMA-74					
Electromagnetic emissions           P10.4         Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary         Image: Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary			° = –	(only if not covered by	ECMA-74)				
P10.4 Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary		Electromagnetic		<u> </u>	,				
	P10.4	Computer display		for low frequency elec	tromagnetic fields of th	he 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 <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>

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> Yes

No

N/A

Model nu	umber *	7D9E, 7D9F, 7D9I	V				Logo	Long		
Issue da	te *	2023-03-09						Leno	VO,	M)
	t environr	nental attributes	- Market requiren	nents (continu	ied)		•	Require		
Item								Yes	No	N/A
P12		mics for computing								
P12.1*			omic requirements o				ogies.			$\square$
P12.2*	The phy	sical input device m	eets the requirements	s of ISO 9995 ar	d ISO 9241	1-410.				$\boxtimes$
P13		ing and documenta								
P13.1*	Product Product Product Product Product Product Product	packaging material packaging material packaging material packaging material packaging material packaging material packaging material	type(s): <i>Molded Pulj</i> type(s): <i>LDPE Bag</i> w type(s): type(s):	Fiberboard Fiberboard weig weight (kg): 1. weight (kg): 0. weight (kg): 0.113 weight (kg): weight (kg):	weigh ght (kg): 0.0 228 3	nt (kg): 0.037 nt (kg): 0.3227 082	,			
P13.2*	Product	plastic primary pack	aging is free from P\	/C.				$\boxtimes$		
P13.3*		duct primary corrug	ated fiberboard pack ontent: <b>35</b> %	kaging, specify t	he containe	ed percentage	e of minimur	n post-		
P13.4*			product documentatic Other	on (tick box):						
P13.5	Úser an		em if paper documer ation on paper media							
	Element	hlorine-free al chlorine-free								
	Process	ed chlorine-free								
P14		ry programs								
P14.1	The proc	duct meets the requi	rements of the follow	ing voluntary pro	ogram(s):					
	Eco-labe	el: ENERGY STAR	Eco-label:	Eco	o-label:	Eco-labe	el:			
	Eco-labe	el:	Eco-label:	Eco	o-label:	Eco-labe	el:			
P15	Additio	nal information (Se	e NOTE B10)							
<b>P</b> 9			mputer products; a							
	the info supplie informa	rmation contained r's knowledge avai tion. The informati	representations, gu in this document. A lable at the time of ( on provided here is or more information	All information p completion, and approximate a	rovided by I supplier s	y supplier in t shall have no	his docume obligation	ent is provided i to update such	based	lon
P9			Enterprise Servers v/products/data_ce							

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))	ThinkSystem SR655 V3 / ThinkAgile VX665 V3	Logo
Contact Address (3.1 (b) )	7001 Development Dr. Building 7 Morrisville, NC 27560 United States	Lenovo
Model Number (3.1 (c) )	7D9E,7D9F,7D9W	
Issue Date	2023-03-09	
Additional information		

Product	t 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 Performa	ance Computing (HPC)
(3.1 (a))	Tower Server Multi Node Se	erver
	🔲 Blade Server 📃 Data Storage	product (Please go to "DATA STORAGE PRODUCTS" section
1.c (3.1 (d))	Year of manufacture: 2023	
1.d (3.1 (p))	Product model part of a server product family? List of all model configurations that are represented by v3#sort=relevance	No X Yes y the model: https://lenovopress.lenovo.com/servers/thinksystem-v3/sr655-
1.e	Information on the secure data deletion functional	lity
(3.1 (n))	Linux OS on it. Eg: OneCli.exe serase -bmc USERID:PAS 2) Use BoMC to create a full functions bo (b) techniques used: OS tools under Linux -> Standard Linux O (c) supported secure data deletion standard (if Secure Erase/block Erase/Crypto Erase, Sa 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/m	eure data deletion on the remote target system via boot up a customized SSWORD@xx.xx.xx.xxsftp root:password@xx.xxx.xx./homelog 5 botable media, start the media and choose secure erase from the text menu. pen Source tool any): antize
	scrub: https://www.systutorials.com/docs/linux/man/1-	<u>·scrub/</u>
	storcli: https://docs.broadcom.com/docs-and-downloa	ds/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 ch	assis:
Recyclin		
2.a (3.3 (a))	Indicative weight range at component level, of the	(a) Cobalt in the batteries (b) Neodymium in the HDDs
(J.J (a))	following critical raw materials:	less than 5 g
		between 5 g and 25 g between 5 g and 25 g
		🔄 above 25 g 🛛 🔛 above 25 g
2.b (3.3 (b))	Instructions on the disassembly operations(a)the type of operation;(b)the type and number of fastening technique(c)the tool(s) required.	e(s) to be unlocked;
	OR - Reference to other information:	
		vare maintenance guide.pdf

2.c	Firmware	
	Reference to information on last available firmware:	
	https://datacentersupport.lenovo.com/us/en/products/servers/thinksystem/sr655v3/downloads/driver-list/	
Additio	nal information	

## Server family specific information Family 1

Family r	no. / name	🛛 1 - 1 CPU populated	l family		
	umber(s) / Description	Standard or low-end pe	rformance configuration:	_	
(3.1 (c) )		Processor(Minimum res	sult of core count * frequency in	family):	AMD EPYC processor SP5 GENOA
		9124 ^ 1, Storage: 2018 High-end performance		vest ca	pacity in family) * 12, PSU: 750W *
				family)	: AMD EPYC processor SP5 GENO
			B SSD * 2, Memory: 64GB * 12, 1		
		You can refer to			
			olutions.com/80PlusPowerSuppl	iesDeta	il.aspx?id=49&type=1,
	nal information	along with			
Addition			ovo.com/servers/thinksystem-v3		
		https://dcsc.ienovo.com hinkSystem%20SR655%		40Rack	%20and%20Tower%20Servers%40
Produc	t environmental attri	outes (EU) 2019/424 – Ar			
-100000	PSU efficiency at 10	% (if applicable) 20 % 50	% and 100 % of rated output pow	er	
3.1 (e))			al place): 🗌 Multi-output 🛛 Sir		out
				igie out	
	Standard or low-end	performance configuration	(s):		
	10% <b>93.16</b> 20% <b>95</b>	.23 50% 96.07 100% 9	94.79 Average 95.36		
	High-end performand	e configuration(s).			
		5.21 50% 96.19 100% 9	94.65 Average 95.35		
-1.b	Dower faster at 50 %	of the rated load level	standard or low and not	00000	high and performance
-1.D 3.1 (f))	rounded to three de		standard or low-end perforn configuration: 0.990	nance	high-end performance configuration: 0.9973
-1.c	PSU rated power out		standard or low-end perform	nance	high-end performance
3.1 (g))	(in Watts rounded to		configuration: <b>750</b>	lance	configuration: 2600
	internal note:	5 /	5		5
	If a product model is part of a ser	ver product family, all PSUs offered in a se vith the information specified in (e) and (f)	erver		
	product raminy shall be reported v	and the information specified in (e) and (f)			
-1.d	idle state power	()()		nance	high-end performance
	idle state power (in Watts and rounde		standard or low-end perforn	nance	high-end performance configuration: <b>186.9</b>
F1.d (3.1 (h)) F1.e	(in Watts and rounde	d to the first decimal place to for additional idle power	standard or low-end perforr configuration: <b>112.3</b>	nance	
3.1 (h)) =1.e	(in Watts and rounde	d to the first decimal place ts for additional idle power	standard or low-end perforr configuration:112.3 allowances		configuration: 186.9
(3.1 (h))	(in Watts and rounde	d to the first decimal place ts for additional idle power stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance	high	configuration: 186.9
3.1 (h)) =1.e	(in Watts and rounde List of all componen	d to the first decimal place ts for additional idle power stand config	standard or low-end perforr configuration: 112.3 allowances ard or low-end performance guration:	high	configuration: 186.9 n-end performance figuration:
3.1 (h)) <b>-1.e</b>	(in Watts and rounde	d to the first decimal place ts for additional idle power stand config 1	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W)	high con	configuration: 186.9 n-end performance figuration: 1 Socket
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance	d to the first decimal place ts for additional idle power stand config 1 2	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W)	high con	configuration: 186.9 -end performance figuration: 1 Socket 2 Socket
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU	d to the first decimal place is for additional idle power stand config 2 2 No #:	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W)	high con	configuration: 186.9 -end performance figuration: 1 Socket 2 Socket #: 1
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD	d to the first decimal place is for additional idle power stand config 2 2 No #: Yes #	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W)	high con Ves No	configuration: 186.9 -end performance figuration: 1 Socket 2 Socket #: 1 #: 0
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD	d to the first decimal place is for additional idle power stand config 2 2 No #: Yes # No #:	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 5 6	high con Ves Ves No Yes	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 #: 2
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory	d to the first decimal place is for additional idle power stand config 2 1 2 No #: Yes # No #: Yes #	standard or low-end perform configuration: 112.3 allowances ard or low-end performance juration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	high con Yes No Yes Yes	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 #: 2 #: 768GB
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD	d to the first decimal place is for additional idle power stand config 2 1 2 No #: Yes # No #: Channel No #:	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	high con Yes No Yes No	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 #: 2 #: 768GB #: 0
3.1 (h)) =1.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 1 2 No #: Yes # R channel No #:	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 6 0 6 0 0	high con Yes No Yes No	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 : #: 2 : #: 768GB #: 0 none
allowances adjustments 21.e 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 No #: Yes # R channel No #:	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 6 0 6 1 1 Gb/s: No Allowance	high con Yes No Yes No	configuration: 186.9           n-end performance figuration:           1 Socket           2 Socket           #: 1           #: 0           : #: 768GB           #: 0           none           < 1 Gb/s: No Allowance
er allowances adjustments during testing	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 No #: Yes # R channel No #: Config 2 No #: Yes # R channel No #: Config 2 No #: Config	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 0 6 1 1 Gb/s: No Allowance 1 Gb/s: 2,0 W/Active Port	higt con Yes No Yes No	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 : #: 2 : #: 768GB #: 0 none < 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port
power allowances adjustments during testing	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 No #: Yes # R channel No #: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 2 0 5 1 5 5 0 5 1 5 5 6 0 5 5 5 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7	higf con Yes No Yes No	configuration: 186.9           n-end performance           figuration:           1 Socket           2 Socket           #: 1           #: 0           none           <1 Gb/s: No Allowance
er allowances adjustments during testing	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 No #: Yes # R channel No #: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 1 5 0 6 1 1 5 1 9 1 1 5 1 5 1 9 1 1 5 1 5 1 9 1 1 5 1 9 1 1 5 1 1 1 1	higf con Yes No Yes No	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 : #: 2 : #: 768GB #: 0 none < 1 Gb/s: No Allowance = 1 Gb/s: 2,0 W/Active Port
power allowances adjustments during testing	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 No #: Yes # R channel No #: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 2 0 5 1 5 5 0 5 1 5 5 6 0 5 5 5 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7	high con Yes Yes Yes	configuration: 186.9           n-end performance           figuration:           1 Socket           2 Socket           #: 1           #: 0           none           <1 Gb/s: No Allowance
The structure adjustments         Control of the structure         Contrel	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF	d to the first decimal place is for additional idle power stand config 2 No #: Yes # R channel No #: 2 Schannel No #: 2 Schannel No #: 2 Schannel No #: 2 Schannel Sc	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 2 0 5 1 5 1 5 2 0 5 1 5 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5	higt con Yes Yes Yes	configuration: 186.9           n-end performance           figuration:           1 Socket           2 Socket           #: 1           #: 0           :#: 768GB           #: 0           none           < 1 Gb/s: No Allowance
idle power allowances adjustments arr (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         R channel         No #:         2         0         2         0         2         0         2         0         2         0         0         2         0         2	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	high       con       Yes       No       Yes       No       Yes       No	configuration: 186.9           i-end performance figuration:           1 Socket           2 Socket           #: 1           #: 0           : #: 768GB           #: 0           none           <1 Gb/s: No Allowance
a.1 (h)) a.1 (h)) a.1 (i)) a.1 (i)) during testing during testing a.1 (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices	d to the first decimal place is for additional idle power stand config 2 1 2 No #: Yes # Channel No #: Channel No #: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 5 6 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	higt con Yes No Yes No No	configuration: 186.9           n-end performance           figuration:           1 Socket           2 Socket           :#: 1           #: 0           :#: 768GB           #: 0           none           <1 Gb/s: No Allowance
idle bower allowances adjustments idle bower allowances adjustments during testing 1. f 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance juration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	higt con Yes No Yes No No	configuration: 186.9           h-end performance           figuration:           1 Socket           2 Socket           : #: 1           #: 0           : #: 768GB           #: 0           none           <1 Gb/s: No Allowance
3.1 (h)) <b>1.e</b> 3.1 (i)) idle bowarces adjustments druing testing <b>1.f</b> <b>3.1</b> (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance juration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	high con Yes No Yes No S No S No S No S No S No S No S No	configuration: 186.9 h-end performance figuration: 1 Socket 2 Socket 2 Socket #: 0 
3.1 (h)) <b>1.e</b> 3.1 (i)) idle bowarces adjustments druing testing <b>1.f</b> <b>3.1</b> (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance juration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	high con Yes No Yes No S No S No S No S No S No S No S No	configuration: 186.9           h-end performance           figuration:           1 Socket           2 Socket           : #: 1           #: 0           : #: 768GB           #: 0           none           <1 Gb/s: No Allowance
idle bower allowances adjustments idle bower allowances adjustments during testing 1. f 3.1 (i))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance juration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) Socket (7 × PerfCPU W) : 1 : 1 : 2 : 0 : 1 : 1 : 2 : 0 : 1 : 1 : 1 : 2 : 0 : 1 : 2 : 0 : 1 : 1 : 2 : 0 : 1 : 2 : 0 : 1 : 2 : 0 : 1 : 1 : 2 : 0 : 0 : 0 : 1 : 2 : 0 : 0	high con Yes No Yes No S No S No S No S No S No S No S No	configuration: 186.9         n-end performance         figuration:         1 Socket         2 Socket         : #: 1         #: 0         : #: 768GB         #: 0         none         < 1 Gb/s: No Allowance
3.1 (h)) =1.e 3.1 (i)) idle bowarces adjustments druing testing =1.f 3.1 (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 1 1 1 2 2 0 1 1 1 1 1 2 2 0 1 1 1 2 2 0 1 1 1 2 2 0 1 1 2 2 0 1 1 1 2 2 0 1 1 2 2 0 1 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 2 0 1 1 2 2 2 2 2 2 2 2 2 2	high con Yes No Yes No Yes No No No No No No No No No No No No No	configuration: 186.9         n-end performance         figuration:         1 Socket         2 Socket         #: 1         #: 0         : #: 2         #: 768GB         #: 0         none         <1 Gb/s: No Allowance
3.1 (h)) =1.e 3.1 (i)) idle bowarces adjustments druing testing =1.f 3.1 (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance juration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) Socket (7 × PerfCPU W) : 1 : 1 : 2 : 0 : 1 : 1 : 2 : 0 : 1 : 1 : 5 : 0 : 1 : 1 : 2 : 0 : 1 : 2 : 0 : 1 : 1 : 2 : 0 : 1 : 1 : 2 : 0 : 0 : 1 : 2 : 0 : 0	high con Yes No Yes No Yes No No No No No No No No No No No No No	configuration: 186.9         n-end performance         figuration:         1 Socket         2 Socket         : #: 1         #: 0         : #: 768GB         #: 0         none         < 1 Gb/s: No Allowance
a.1 (h)) a.1 (h)) a.1 (i)) a.1 (i)) a.1 (i)) a.1 (j)) a.1 (j)) a.1 (j)) a.1 (j)) a.1 (j)) a.1 (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) Socket (7 × PerfCPU W) 1 5 1 5 2 0 0 1 6 1 5 5 6 0 0 1 6 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	high con Yes No Yes Yes No U U U U U U U U U U U U U U U U U U	configuration: 186.9 h-end performance figuration: 1 Socket 2 Socket 2 Socket #: 1 #: 0 
3.1 (h)) <b>1.e</b> 3.1 (i)) idle bowarces adjustments druing testing <b>1.f</b> <b>3.1</b> (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Channel       No #:         Q         Image: Stand	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) 1 1 1 1 1 1 1 1 2 0 1 1 1 1 1 2 2 0 1 1 1 1 2 2 0 1 1 1 1 2 2 0 1 1 1 2 2 0 1 1 1 2 2 0 1 1 1 2 2 0 1 1 1 2 2 0 1 1 1 2 2 0 1 1 1 2 2 0 1 1 2 2 2 0 1 1 2 2 2 0 1 1 2 2 2 2 0 1 1 2 2 2 2 2 2 2 2 2 2	high con Yes No Yes Yes No U U U U U U U U U U U U U U U U U U	configuration: 186.9 end performance figuration: 1 Socket 2 Socket 2 Socket #: 1 #: 0 *: 2 *: 768GB #: 0 none < 1 Gb/s: No Allowance = 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 > 1 Gb/s and < 25Gb/s: 15,0 W/Active Port ≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port ≥ 10 Gb/s and < 50Gb/s: 20,0 W/Active Port ≥ 50 Gb/s 26,0 W/Active Port high-end performance configuration: 617.0 high-end performance configuration: 617.0 high-system-v3/sr655-
3.1 (h)) =1.e 3.1 (i)) =1.f 3.1 (i)) =1.f 3.1 (j)) =1.g 3.1 (k))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c (as defined in Table of	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         R channel         No #:         Yes #         Channel         No         a         a         b         c         a         b         c         c         a         b         c     <	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) $\cdot$ 1 $\cdot$ 2 $\cdot$ 0 $\cdot$ 192GB 0 $\cdot$ 192GB 0 $\cdot$ 16b/s: No Allowance 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 < 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 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 50 Gb/s 26,0 W/Active Port 51 Standard or low-end perform configuration: 240.3 standard or low-end perform configuration: $H1 \ A2 \ A3 \ A4$ Exception comments Refer to the Operating enviro section of https://lenovopress.lenovo.cc rs/thinksystem-v3/sr655- v3#sort=relevance	high con Yes No Yes No Yes No a U U U U U U U U U U U U U U U U U U	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 
3.1 (h)) =1.e 3.1 (i)) =1.f 3.1 (i)) =1.f 3.1 (k)) =1.h	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition of (as defined in Table of idle state power at th	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         No #:         Yes #         Achannel         No #:         Yes #         Channel         No #:         2         0         2         0         2         0         2         0         2         0         2         0         2         0         1         2         0         1         0         2         1         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         3         3 </td <td>standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) Socket (7 × PerfCPU W) <math>\cdot</math> 1 <math>\cdot</math> 2 <math>\cdot</math> 0 <math>\cdot</math> 192GB 0 <math>\cdot</math> 192GB 0 <math>\cdot</math> 192GB 0 <math>\cdot</math> 16b/s: No Allowance 1 Gb/s: 2,0 W/Active Port 1 Gb/s and &lt; 10 Gb/s: 4,0 W/Active Port 10 Gb/s and &lt; 25Gb/s: 15,0 W/Active Port 25 Gb/s and &lt; 50Gb/s: 20,0 W/Active Port 26 Gb/s 26,0 W/Active Port 27 Standard or low-end perform 29 configuration: 21 H1 A2 A3 A4 Exception comments Refer to the Operating enviro section of https://lenovopress.lenovo.cd rs/thinksystem-v3/sr655- v3#sort=relevance ature standard or low-end perform</td> <td>high con Yes No Yes No Yes No a U U U U U U U U U U U U U U U U U U</td> <td>configuration: 186.9 </td>	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) Socket (7 × PerfCPU W) $\cdot$ 1 $\cdot$ 2 $\cdot$ 0 $\cdot$ 192GB 0 $\cdot$ 192GB 0 $\cdot$ 192GB 0 $\cdot$ 16b/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 26 Gb/s 26,0 W/Active Port 27 Standard or low-end perform 29 configuration: 21 H1 A2 A3 A4 Exception comments Refer to the Operating enviro section of https://lenovopress.lenovo.cd rs/thinksystem-v3/sr655- v3#sort=relevance ature standard or low-end perform	high con Yes No Yes No Yes No a U U U U U U U U U U U U U U U U U U	configuration: 186.9 
3.1 (h)) =1.e 3.1 (i)) idle bowarces adjustments druing testing =1.f 3.1 (j))	(in Watts and rounde List of all component CPU Performance Additional PSU HDD SDD Additional memory Additional buffered DDF Additional I/O devices maximum power (in Watts and rounde operating condition c (as defined in Table to a defined in Table to device to the declared operation of the declared operation of the declared operation of the declared operation	d to the first decimal place         is for additional idle power         stand         config         1         2         No #:         Yes #         R channel         No #:         Yes #         Channel         No         a         a         b         c         a         b         c         c         a         b         c     <	standard or low-end perform configuration: 112.3 allowances ard or low-end performance guration: Socket (10 × PerfCPU W) Socket (7 × PerfCPU W) $\cdot$ 1 $\cdot$ 2 $\cdot$ 0 $\cdot$ 192GB 0 $\cdot$ 192GB 0 $\cdot$ 192GB 0 $\cdot$ 192GB 0 $\cdot$ 10 $\cdot$ 192GB 0 $\cdot$ 192GB 0	high con Yes No Yes Yes No Yes No U U U U U U U U U U U U U U U U U U	configuration: 186.9 end performance figuration: 1 Socket 2 Socket #: 1 #: 0 