

# THE ECO DECLARATION



## 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.


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Company name *	<a href="#">Lenovo</a>	
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Additional information	<i>The latest version of this document can be found at:</i> <a href="http://www.lenovo.com/ecodeclaration">http://www.lenovo.com/ecodeclaration</a>	

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	<a href="#">Server</a>
Commercial name *	<a href="#">Lenovo ThinkSystem ST250/Lenovo ThinkSystem ST258</a>
Model number *	<a href="#">7Y45, 7Y46, 7Y47</a>
Issue date *	<a href="#">Jan 31, 2020</a>
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	

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


### About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:  
P4.1 – P4.3 Consumable materials  
P9.1 TEC and Print speed  
P10.2 - P10.3 Chemical emissions from printing products  
P11.1 - P11.3 Consumable materials for printing products.

Model number *	7Y45, 7Y46, 7Y47	Logo	
Issue date *	Jan 31, 2020		

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	N/A
<b>P1 Hazardous substances and preparations</b>				
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbon tetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm <sup>2</sup> /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): <a href="https://www.lenovo.com/us/en/sustainability-resources">https://www.lenovo.com/us/en/sustainability-resources</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P2 Batteries</b>				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>P3 Conformity verification &amp; Eco design (ErP)</b>				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at: <a href="https://www.lenovo.com/us/en/compliance/eu-doc">https://www.lenovo.com/us/en/compliance/eu-doc</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is: <input type="checkbox"/> given in item P15 or added to this document, <input checked="" type="checkbox"/> available at: <a href="https://www.lenovo.com/us/en/compliance/eco-declaration">https://www.lenovo.com/us/en/compliance/eco-declaration</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P5 Product packaging</b>				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P6 Treatment information</b>				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Model number *	7Y45, 7Y46, 7Y47	Logo	
Issue date *	Jan 31, 2020		

Product environmental attributes - Market requirements (See General NOTE GN below)				
- Environmental conscious design			Requirement met	
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	N/A
<b>P7 Design, Disassembly, recycling</b>				
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Product lifetime</b>				
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.9	Spare parts are available after end of production for:      years			<input type="checkbox"/>
P7.10	Service is available after end of production for:      years			<input type="checkbox"/>
<b>Material and substance requirements</b>				
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: <b>Plastic</b> Material type: <b>Metal</b> Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all <input checked="" type="checkbox"/> PCBs > 25 g <input type="checkbox"/> are low halogen as defined in IEC 61249-2-21. (See <sup>5</sup> NOTE B2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.17	<u>Alt. 1:</u> Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input type="checkbox"/> (See NOTE B3), Other: chemical name:      , CAS #: <u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.18	<u>Alt. 1:</u> Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name:      , CAS #:      (See NOTE B4) 2. Chemical name:      , CAS #:      " 3. Chemical name:      , CAS #:      " <u>Alt. 2:</u> Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases;      and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)):      ,      (See note B5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6):  If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is      %. or b) The weight of recycled material is      g.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>


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

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

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

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

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

Model number *	7Y45, 7Y46, 7Y47	Logo	
Issue date *	Jan 31, 2020		

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

**Material and substance requirements (continued)**

P7.21*	Biobased plastic material content is used in the product (See NOTE B7): 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 total plastic by weight) is ____%. or b) The weight of the biobased plastic material is ____ g.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: _____ and maximum mercury content per lamp: _____ mg	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.23*	If product includes an integral display, the total mercury content in the integrated display: _____ mg	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**P8 Batteries**

P8.1*	Battery chemical composition: <i>Lithium Manganese Dioxide</i>	<input type="checkbox"/>
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**P9 Energy consumption (See NOTE B8)**

P9.1 For the product the following power levels or energy consumptions are reported:					<input checked="" type="checkbox"/>
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *	
<i>100% stress</i>	<i>355.6 W</i>	<i>350.1 W</i>	<i>263.21 W</i>	<i>100% stress</i>	
<i>Off state</i>	<i>12.42 W</i>	<i>11.95 W</i>	<i>12.52 W</i>	<i>10 mins after AC cord in</i>	
<i>Idle state</i>	<i>153.93 W</i>	<i>153.33 W</i>	<i>149.7 W</i>	<i>10 mins after logging in OS</i>	
<i>Peak (On-max)</i>	W	W	W	<i>Full load</i>	

**Category ---**

EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	W	W	W		
PTEC * Typical Energy Consumption	W	W	W		<input checked="" type="checkbox"/>
ETEC * Annual Energy Consumption	kWh/year	kWh/year	kWh/year		<input checked="" type="checkbox"/>
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :					<input checked="" type="checkbox"/>
Display resolution * : _____ megapixels					<input checked="" type="checkbox"/>
Default time to enter energy save mode: _____ minutes					<input type="checkbox"/>
P9.2*	Information about the energy save function is provided with the product.				<input checked="" type="checkbox"/>
P9.3	Energy efficiency class (monitors only):				<input checked="" type="checkbox"/>

**P10 Emissions**

<b>Noise emission – Declared according to ISO 9296 (See NOTE B9)</b>		
P10.1	Mode	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)
	Idle * <i>idle mode</i>	* <i>4.3</i>
	Operation * <i>operation mode</i>	* <i>4.4</i>
	Other mode <i>Declared A-weighted sound pressure level (dB) <math>L_{pAm}</math></i>	<i>(operator position desktop – idle)</i>
	Other mode <i>Declared A-weighted sound pressure level (dB) <math>L_{pAm}</math></i>	<i>(operator position desktop – operating)</i>
Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> 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 program(s):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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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 <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

Model number *	7Y45, 7Y46, 7Y47	Logo	
Issue date *	Jan 31, 2020		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	N/A
<b>P12 Ergonomics for computing products</b>				
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P13 Packaging and documentation</b>				
P13.1*	Product packaging material type(s): <b>Corrugated cardboard</b> weight (kg): <b>2.403</b> Product packaging material type(s): <b>Recycled Expanded Polyethylene</b> weight (kg): <b>0.545</b> Product packaging material type(s): <b>PP</b> weight (kg): <b>0.001</b>			
P13.2*	Product plastic primary packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: <b>55 %</b>			<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): <input checked="" type="checkbox"/> Electronic, <input checked="" type="checkbox"/> Paper, <input type="checkbox"/> Other			<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:  Totally chlorine-free Elemental chlorine-free Processed chlorine-free	<input type="checkbox"/>	<input type="checkbox"/>	
		<input checked="" type="checkbox"/>		
		<input type="checkbox"/>		
		<input type="checkbox"/>		
<b>P14 Voluntary programs</b>				
P14.1	The product meets the requirements of the following voluntary program(s):  ENERGY STAR® Criteria version: Date: Product category: Eco-label: Criteria version: Date: Product category: Eco-label: Criteria version: Date: Product category:			
<b>P15 Additional information (See NOTE B10)</b>				
P9	<b>Energy consumption of computer products; description of the tested product configuration:</b> <i>NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied, regarding the information contained in this document. All information provided by supplier in this document is provided based on supplier's knowledge available at the time of completion, and supplier shall have no obligation to update such information. The information provided here is approximate and provided for informational purposes only. See a Lenovo Account Representative for more information.</i>			
P9	See Energy Star Qualified Enterprise Servers for the latest information: <a href="https://www.energystar.gov/products/data_center_equipment/enterprise_servers">https://www.energystar.gov/products/data_center_equipment/enterprise_servers</a>			

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

## Legal references Europe Annex B2

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

# 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

<b>Commercial name</b> (3.1 (b) )	<i>Lenovo ThinkSystem ST250</i> <i>Lenovo ThinkSystem ST258</i>	<b>Logo</b> 
<b>Contact Address</b> (3.1 (b) )	<i>7001 Development Dr. Building 7, Morrisville, NC 27560, United States</i>	
<b>Model Number</b> (3.1 (c) )	<i>7Y45, 7Y46, 7Y47</i>	
<b>Issue Date</b>	<i>Jan 31, 2020</i>	
<b>Additional information</b>		

<b>Product environmental attributes</b> (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 <input checked="" type="checkbox"/> in scope <input type="checkbox"/> out of scope, product is out of scope as:
1.b (3.1 (a))	Server type <input type="checkbox"/> Rack Server <input type="checkbox"/> High Performance Computing (HPC) <input checked="" type="checkbox"/> Tower Server <input type="checkbox"/> Multi Node Server <input type="checkbox"/> Blade Server <input type="checkbox"/> Data Storage product (Please go to “ <b>DATA STORAGE PRODUCTS</b> ” section)
1.c (3.1 (d))	Year of manufacture: <b>2018</b>
1.d (3.1 (p))	Product model part of a server product family? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes List of all model configurations that are represented by the model: <a href="http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_ST250">http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_ST250</a>
1.e (3.1 (n))	<b>Information on the secure data deletion functionality</b> (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: <code>OneCli.exe serase -bmc USERID:PASSWORD@xx.xx.xx.xx --sftp root:password@xx.xxx.xx.xx:/home -log 5</code> 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  <b>OR - Reference to other information:</b> Hdparm: <a href="https://en.wikipedia.org/wiki/Hdparm">https://en.wikipedia.org/wiki/Hdparm</a> Nvme-format: <a href="https://www.mankier.com/1/nvme-format">https://www.mankier.com/1/nvme-format</a> sg_sanitize: <a href="https://www.systutorials.com/docs/linux/man/8-sg_sanitize/">https://www.systutorials.com/docs/linux/man/8-sg_sanitize/</a> scrub: <a href="https://www.systutorials.com/docs/linux/man/1-scrub/">https://www.systutorials.com/docs/linux/man/1-scrub/</a> storcli: <a href="https://docs.broadcom.com/docs-and-downloads/raid-controllers/raid-controllers-common-iles/StorCLI_RefMan_revf.pdf">https://docs.broadcom.com/docs-and-downloads/raid-controllers/raid-controllers-common-iles/StorCLI_RefMan_revf.pdf</a>
1.f (3.1 (o))	Blade servers? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes list of recommended combinations with compatible chassis:
<b>Recycling Data</b>	
2.a (3.3 (a))	Indicative weight range at component level, of the following critical raw materials: (a) Cobalt in the batteries <input checked="" type="checkbox"/> less than 5 g <input type="checkbox"/> between 5 g and 25 g <input type="checkbox"/> above 25 g (b) Neodymium in the HDDs <input type="checkbox"/> less than 5 g <input type="checkbox"/> between 5 g and 25 g <input checked="" type="checkbox"/> above 25 g
2.b (3.3 (b))	<b>Instructions on the disassembly operations</b> (a) the type of operation; (b) the type and number of fastening technique(s) to be unlocked; (c) the tool(s) required. OR - Reference to other information: <a href="https://thinksystem.lenovofiles.com/help/index.jsp">https://thinksystem.lenovofiles.com/help/index.jsp</a>
2.c	<b>Firmware</b> Reference to information on last available firmware: <a href="https://datacentersupport.lenovo.com/cn/en/products/servers/thinksystem/st250/downloads/driver-list/">https://datacentersupport.lenovo.com/cn/en/products/servers/thinksystem/st250/downloads/driver-list/</a>
<b>Additional information</b>	

## Server family specific information Family 1

<b>Family no. / name</b>		<input checked="" type="checkbox"/> 1 - 1 CPU populated family	
<b>Model number(s) / Description</b> (3.1 (c))		<b>Standard or low-end performance configuration:</b> <i>Processor: G4900T(2.9GHz, 2 core), Memory: 16GB, Storage: 1TB HDD *2, PSU: 550W, NIC: n/a</i>  <b>High-end performance configuration:</b> <i>Processor: E2186G(3.8GHz, 6 core), Memory: 64GB, Storage: 960GB SSD *2, PSU: 550W*2, NIC: X710-T4</i>	
<b>Additional information</b>		Please refer to <a href="https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&amp;type=1">https://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=49&amp;type=1</a> along with <a href="http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_SR530">http://psref.lenovo.com/Product/ThinkSystem/ThinkSystem_SR530</a> for the PSU efficiency details.	
<b>Product environmental attributes (EU) 2019/424 – Annex II points 3.1 and 3.3</b>			
F1.a (3.1 (e))	PSU efficiency at 10 % (if applicable), 20 %, 50 % and 100 % of rated output power (expressed in % and rounded to the first decimal place): <input type="checkbox"/> Multi-output <input checked="" type="checkbox"/> Single-output	Standard or low-end performance configuration(s): 10% <b>90.72</b> 20% <b>93.51</b> 50% <b>94.62</b> 100% <b>93.23</b> Average <b>93.79</b>  High-end performance configuration(s): 10% <b>90.72</b> 20% <b>93.51</b> 50% <b>94.62</b> 100% <b>93.23</b> Average <b>93.79</b>	
F1.b (3.1 (f))	Power factor at 50 % of the rated load level (rounded to three decimal places)	standard or low-end performance configuration: <b>1.000</b>	high-end performance configuration: <b>1.000</b>
F1.c (3.1 (g))	PSU rated power output (in Watts rounded to the nearest integer)	standard or low-end performance configuration: <b>550 W</b>	high-end performance configuration: <b>550 W</b>
<small>internal note: If a product model is part of a server product family, all PSUs offered in a server product family shall be reported with the information specified in (e) and (f)</small>			
F1.d (3.1 (h))	idle state power (in Watts and rounded to the first decimal place)	standard or low-end performance configuration: <b>25.0 W</b>	high-end performance configuration: <b>50.0 W</b>
F1.e (3.1 (i))	List of all components for additional idle power allowances		
idle power allowances adjustments during testing	CPU Performance	standard or low-end performance configuration: <input checked="" type="checkbox"/> 1 Socket (10 × PerfCPU W) <input type="checkbox"/> 2 Socket (7 × PerfCPU W)	high-end performance configuration: <input checked="" type="checkbox"/> 1 Socket <input type="checkbox"/> 2 Socket
	Additional PSU	<b>No</b> (Yes / No) #:	<b>Yes</b> (Yes / No) #: <b>1</b>
	HDD	<b>Yes</b> (Yes / No) #: <b>2</b>	<b>No</b> (Yes / No) #:
	SDD	<b>No</b> (Yes / No) #:	<b>Yes</b> (Yes / No) #: <b>2</b>
	Additional memory	<b>Yes</b> (Yes / No) #: <b>12GB</b>	<b>Yes</b> (Yes / No) #: <b>60GB</b>
	Additional buffered DDR channel	<b>No</b> (Yes / No) #:	<b>No</b> (Yes / No) #:
	Additional I/O devices	<input type="checkbox"/> none <input type="checkbox"/> < 1 Gb/s: No Allowance <input checked="" type="checkbox"/> = 1 Gb/s: 2,0 W/Active Port <input type="checkbox"/> > 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port <input type="checkbox"/> ≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port <input type="checkbox"/> ≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port <input type="checkbox"/> ≥ 50 Gb/s 26,0 W/Active Port	<input type="checkbox"/> none <input type="checkbox"/> < 1 Gb/s: No Allowance <input type="checkbox"/> = 1 Gb/s: 2,0 W/Active Port <input type="checkbox"/> > 1 Gb/s and < 10 Gb/s: 4,0 W/Active Port <input checked="" type="checkbox"/> ≥ 10 Gb/s and < 25Gb/s: 15,0 W/Active Port <input type="checkbox"/> ≥ 25 Gb/s and < 50Gb/s: 20,0 W/Active Port <input type="checkbox"/> ≥ 50 Gb/s 26,0 W/Active Port
F1.f (3.1 (j))	maximum power (in Watts and rounded to the first decimal place)	standard or low-end performance configuration: <b>37.5 W</b>	high-end performance configuration: <b>162.8 W</b>
F1.g (3.1 (k))	operating condition class (as defined in Table 6 or ErP lot 9)	standard or low-end performance configuration: <input type="checkbox"/> A1 <input checked="" type="checkbox"/> A2 <input type="checkbox"/> A3 <input type="checkbox"/> A4  Exception comments	high-end performance configuration: <input type="checkbox"/> A1 <input checked="" type="checkbox"/> A2 <input type="checkbox"/> A3 <input type="checkbox"/> A4  Exception comments
F1.h (3.1 (l))	idle state power at the higher boundary temperature of the declared operating condition class (in Watts)	standard or low-end performance configuration: <b>43.8 W</b>	high-end performance configuration: <b>52.6 W</b>
F1.i (3.1 (m))	the active state efficiency and the performance in active state of the server;	standard or low-end performance configuration: <b>12.8</b>	high-end performance configuration: <b>22.3</b>