



ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2015)

Annex B2 - Product environmental attributes Workstations and Servers

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			
e-mail address	Alvin L Carter		Lenovo	
	alcarter@lenovo.com			
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.html			
Additional information	The latest version of this document can be found at:			
	http://www.lenovo.com/ecodeclaration			

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.				
Type of product *	Workstation			
Commercial name *	ThinkStation P720			
Model number *	30BA,30BB,30BU			
Issue date *	2022/05/18			
Intended market *	Global Europe Asia, Pacific & Japan Americas Other			
Additional information	ENERGY STAR® Qualified; EPEAT Gold Rating; GREENGUARD Certified			

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 *	30BA,30BB,30BU	Logo	Lonovo
Issue date *	2022/05/18		LEI IOVO.

Product	environmental attributes - Legal requirements	Require	men	t met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	\boxtimes		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	\boxtimes		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),			
F1.3	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-	\boxtimes		
	trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum			
	concentration values.			
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated	\square		
	terphenyl (PCT) in preparations (see legal reference).		ш	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	e 🔀		
	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).			
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm²/weel-			
	(see legal reference).			
	Comment: Max limit in legal reference when tested according to EN1811:2011-5.			
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	\boxtimes		
	http://www.lenovo.com/social_responsibility/us/en/environment.html			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal	\boxtimes		
	symbol. Information on proper disposal is provided in user manual. (See legal reference)			
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal	l 🖂		
P2.3*	reference) Batteries and accumulators are readily removable. (See legal reference)	\square		
	<u> </u>			
P3	Conformity verification & Eco design (ErP) The product is CE-marked to show conformance with applicable legal requirements (see legal reference).			
P3.1"	The Declaration of Conformity can be requested at (add link or e-mail address):		Ш	Ш
	http://www.lenovo.com/social responsibility/us/en/ec doc workstations/			
P3.2*				
P3.2"	The product complies with the Eco design requirements for energy-related products, (see legal reference).	\boxtimes	Ш	
	Required information is; given in item P15 or added to this document,		П	
	available at (add URL):			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium an	d 🔀		
	hexavalent chromium by weight of these together.			
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) 🔀		
DE 04	used (see legal reference).			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montrea	al 🔀		
	Protocol (see legal reference).			
P6	Comment: Legal reference has no maximum concentration values. Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).			
FU.1	information 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 number *	30BA,30BB,30BU	Logo	Lonovo
Issue date *	2022/05/18		Lei Iovo

- Environmental conscious design Require		met
Item *=mandatory to fill in. Additional information regarding each item may be found under P14. Yes P7 Design, Disassembly, recycling	No	n.a.
P7.1* Parts that have to be treated separately are easily separable		
P7.2* Plastic materials in covers/housing have no surface coating.	\square	\dashv
P7.3* Plastic parts > 100 g consist of one material or of easily separable materials.		-#-
	-	- - -
ı ü	- -	-#-
, , ,	-	
P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		
P7.7* Upgrading can be done e.g. with processor, memory, cards or drives		
P7.8* Upgrading can be done using commonly available tools	+	- - - - - - - - - - - - - -
P7.9 Spare parts are available after end of production for: 5 years		井
1 1 1		-
1 2		
P7.11* Product cover/housing material type (e.g. plastics, metal, aluminum):		
Material type: Material type: Material type: Material type: Material type:		
P7.12 Insulation materials of external electrical cables are PVC free.	X	
P7.13 Insulation materials of internal electrical cables are PVC free.		
P7.14 External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1%		Ħ
weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and		
polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts		
containing more than 25% post-consumer recycled content. P7.15 Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low	\square	
Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)		ш
P7.16 Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking: >ABS+PC FR(40)<		
P7.17 Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components):		
TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other:		
BTI: SPB-100, CAS #: 28212-48-8		
GBM: Phosphoric flame retardants / DOPO(reactive), CAS #: 35948-25-5 Tripod: Aromatic polyphosphate, CAS #: Confidental		
Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:		
P7.18 Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in		
concentrations above 0,1%:		
1. Chemical name: Bisphenol-A Bis(Diphenyl Phosphate) , CAS #: 5945-33-5 (See NOTE B4) 2. Chemical name: , CAS #: "		
3. Chemical name: , CAS #: "		
Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:		
P7.19 In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been	Ħ	Ħ
assigned the following Risk phrases; <i>R53</i> and Hazard statements: <i>H413</i>		
The source(s) for these classifications is/are found at (add URL(s)):		
https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-		
/discli/details/87272, http://susproc.jrc.ec.europa.eu/paints/docs/Hazardous%20substances%20criterion%20Explanatory		
%20Note.pdf (See note B5)		
P7.20* Postconsumer recycled plastic material content is used in the product (See Note B6):		
If YES; at least one of the two alternatives below shall be answered;		
a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as		
a percentage of total plastic by weight) is %. or		

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.

b'	The weight	of recycled	material is	387.6 a

Model number *	30BA,30BB,30BU	Logo	Lopovo
Issue date *	2022/05/18		LEI IOVO.

Product environmental a	ttributes - Market re	quirements (continu	ıed)	Requirement met
Item		(Yes No n.a.
	atamaa waaniinamaanta (. 55 1.15 1.1141
	stance requirements (c		FF D7\.	
P7.21* Biobased plastic	material content is used i	in the product (See NO)	IE B7):	
If YES; at least or	ne of the two alternatives	below shall be answere	ed;	
a) Of total plas	tic parts' weight > 25 g,	the biobased plastic ma	aterial content (calculate	ed as a percentage
	ic by weight) is %.	·	·	· -
or				
b) The weight of	of the biobased plastic ma	aterial is g.		
P7.22* Light sources are	free from mercury, i.e. le	ess than 0,1 mg/lamp.		
If mercury is used	I specify: Number of lam	ps: and maximun	n mercury content per la	amp: mg
P8 Batteries				
P8.1* Battery chemical	composition:			
P9 Energy consump	otion (See NOTE B8)			
	e following power levels	or energy consumption	s are reported:	
Energy mode *	Power level at	Power level at	Power level at	Reference/Standard for
Lifergy mode	100 V AC	115 V AC	230 V AC	energy modes and test
	100 V AO	113 V AO	230 V AO	method *
Peak (On-max)	404.6 W	382.5 W	379.1 W	Full load
reak (OII-IIIax)	707.0 VV	302.3 VV	373.7 **	T dil Toda
Configuration 1				
(30BA0007US)				
Short Idle State - WOL	74.028 W	72.768 W	69.192 W	Use for ENERGY STAR V6
Enabled				registration (Pidle)
Long Idle State - WOL	68.136 W	67.356 W	67.5 W	Use for ENERGY STAR V6
Enabled	08.130 VV	07.330 VV	07.5 VV	registration (P _{idle})
Lilabled				registration (Fidle)
Sleep (S3) - WOL Enabled	9.276 W	9.216 W	9.18 W	Use for ENERGY STAR V6
Sieep (33) - WOL Eliabled	9.270 VV	9.270 VV	9. 10 VV	
				registration(P _{sleep})
Sleep (S3) - WOL Disabled	W	W	W	Reference
- ' '				
Off (S5) - WOL Enabled	3.984 W	4.62 W	4.548 W	Use for ENERGY STAR V6
				registration(P _{off})
Off (S5) - WOL Disabled	W	W	W	Use for ErP
Oli (33) - WOL Disabled	VV	VV	VV	OSE IOI EIF
	W	W	W	Reference
Configuration 2	-			
Configuration 2				
(30BA0008US)				
(30BA000003)				
Short Idle State - WOL	70.14 W	70.236 W	69.996 W	Reference
Enabled		7 4.200 1.	•	
Long Idle State - WOL	67.896 W	68.028 W	65.976 W	Reference
Enabled				
Sleep (S3) - WOL Enabled	9.54 W	9.696 W	9.576 W	Reference
Olere (OO) MOU District	100	101	14/	D. C
Sleep (S3) - WOL Disabled	W	W	W	Reference
Off (S5) - WOL Enabled	3.924 W	4.548 W	4.368 W	Reference
, ,				
Off (S5) - WOL Disabled	W	W	W	Reference
	147	14/	141	Deference
	W	W	W	Reference
EPS No-load	W	W	W	
(External power supply / charger plugged in the		"	"	
wall outlet but disconnected from the product.)		1	1	

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

PTEC * Typical En	ergy Consumption	Config. 1 22.728 W Config. 222.3878 W	Config. 1 22.6836 W Config. 2 22.698 W	Config. 1 22.308 W Config. 2 22.2552\ W	Config 1 Annual kWh/year = 196 P _{TEC} @230V x (8760/1000) Config 2 Annual kWh/year = 194.5 P _{TEC} @230V x (8760/1000)	
ETEC *		kWh/year	kWh/year	kWh/year		
Annual En	ergy Consumption	Poff: Off Mode(S5) - WOL	Enabled; Psleep: Sleep Mo	ode(S3) - WOL Enabled; P	P _{idle} : Idle State - WOL Enabled	
External P	ower Supply Efficie	ncy Level (International E	fficiency Marking Protoc	col) * :		
Display res	solution * : m	egapixels				
Default tim	e to enter energy s	ave mode: 25 minutes				
P9.2*	Information about	the energy save function	is provided with the pro	duct.	$oxed{eta}$	
P9.3	Energy efficiency	class (monitors only):				
P10	Emissions					
	Noise emission -	- Declared according to I	SO 9296 (See NOTE B	9)		
P10.1	Mode I	Mode description	;	Statistical upper limit A-v	veighted sound power level, LwA,c (B)	
	Idle '	system is powered on	, but no disk activity	* 3.50		
		hard disk drive is rand	3 - 3	[*] 3.55		
		Declared A-weighted sound p		18.0 (operator position of	lesktop – idle)	
	Other mode	Declared A-weighted sound p	pressure level (dB) $L_{p{ m Am}}$	18.1 (operator position of	lesktop – operating)	
	Measured according to: ISO 7779 ECMA-74 Other (only if not covered by ECMA-74)					

Model nu	mber *	30BA,30BB,30BU	J		Lo	ogo	Lono	1/0	
Issue date	e *	2022/05/18					Leno	VO.	734
Product	environn	nental attributes	- Market requirement	s (continued)			Require	ment	met
Item			-				Yes	No	n.a.
	Electron	nagnetic emission	ıs						
P10.4	Compute program		e requirement for low frequ	ency electromagnet	ic fields of the followi	ng voluntary			
P12		mics for computing							
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.								
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.								
P13		ng and documenta							
P13.1*	Product Product	packaging material packaging material	type(s): wood we	weight (kg): oight (kg): 0.83 oight (kg): 1.4062	1.48				
P13.2*	Product	plastic primary pacl	kaging is free from PVC.				\boxtimes		
P13.3*		duct primary corruger recovered fiber co	ated fiberboard packagin ontent: 70 %	g, specify the conta	ained percentage of	minimum pos	st-		
P13.4*		_	product documentation (tid Other	ck box):					
P13.5	Ùser and		tem if paper documentatio ation on paper media is cl						
	Element	hlorine-free al chlorine-free ed chlorine-free							
P14	Volunta	ry programs							
P14.1	The prod	luct meets the requ	irements of the following v	oluntary program(s)	:				
	Eco-labe		Criteria version: V6.1 Criteria version: Criteria version:	Date: Oct-2 Date: Date:	Product cate Product cate Product cate		ation		
P15		nal information (Se							
P9			pecific configuration mag					. 0	
	informati knowled provided informati	ion contained in this ge available at the t I here is approximat ion.	epresentations, guarantees document. All information ime of completion, and subset and provided for information in the completion information.	n provided by supplice pplier shall have no ational purposes only	er in this document is obligation to update y. See a Lenovo Acco	provided bas such informati	ed on supp on. The inf	olier's formati	ion
P9	See Energy Star Qualified Notebooks & Tablet Computers for the latest information: http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO								

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
Regulation (EC) 1907/2006(REACH, 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 2013/56/EC (Battery and accumulators Directive) * * 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 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE 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
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

Lenovo ErP Lot3 Information Sheet

- Workstation/Server -

As required by 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 (ErP Lot3).

Products scope of this sheet:

Workstation, mobile workstation, desktop thin client, small-scale server and computer server

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

Commercial name	ThinkStation P720	Logo	
Model Number	30BA,30BB,30BU		Longvo
Issue Date	2022/05/18		Lenovo.
Additional information	ENERGY STAR® Qualified; EPEAT Gold Rating; GREENGUARD Certified		

(e)	1.1			Available on product label	
	Internal/external power supply efficiency:				
			.70% Average 90.81% .91% Average 91.29%		
(f)	Test parameters for measurements: — test voltage in V and frequency in Hz 230V/50Hz — total harmonic distortion of the electricity supply system 0.14% — information and documentation on the instrumentation, set-up and circuits used for electrical testing:				
	Instrument Type	Range Used Or ***	Make and Model **		
	AC Power Source	Output Voltage: AC 0~150V/0~300V/AUTO; Output Current: 0-140A; Output Frequency: 15-2000Hz; Output power: MAX 3000VA.	Chroma Model:6530;		
	Digital Watch	0~36000s	TF PC930		
	Power Meter	0~600V;0~20A	YOKOGAWA WT210 Model:760401; SN:91J519920	7	
	Hygrothermograph	-15~35℃/15~90%	DIGITAL HC-520		
	Thermal anemometer	0~45m/s,0~45°C	PROVA AVM-05		
	Light Measuring	0.01~3000cd/ m ²	CA-210		
(g)	Maximum power (Watts)		484.95		
(h)	Idle state power (Watts)		158.74		
(i)	Sleep mode power (Watts)		10.64		
(j)	Off mode power (Watts)			2.14	
(I-1)	Measurement methodology used to determine information mentioned in points (e): 80 PLUS® Program				
(I-2)	Measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode power as defined in Point P9.1 in the Product IT Eco Declaration:				
	ENERGY STAR® Program Requirements Product Specification for Computers Final Test Method Rev. Sep-2013				
Additiona	al information				