



Annex B2 - Product environmental attributes **Computers and computer monitors**

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 Environmental Social and Governance		Lenovo.
e-mail address	environment@lenovo.com		LCIIUVU
Internet site *	https://www.lenovo.com/us/en/sustainability-resources/		
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 *	Tablet Computer				
Commercial name *	Lenovo Tab M11/K11				
Model number *	ZADA,ZADB,ZADC,ZADG,ZADH,ZADJ,ZADK,ZADL				
Issue date *	2023-10-19				
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other				
Additional information	All Models (Energy Star)				

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

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 *	ZADA,ZADB,ZADC,ZADG,ZADH,ZADJ,ZADK,ZADL	Logo	
Issue date *	2023-10-19		Lenovo.

	Product environmental attributes - Legal requirements						
Item		Yes	No	N/A			
P1	Hazardous substances and preparations						
P1.1*	Products 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.						
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-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 terphenyl (PCT) in preparations (See legal reference)						
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)						
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week (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): https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	\boxtimes					
P2	Batteries		•				
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)	\boxtimes					
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	\boxtimes					
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	\boxtimes					
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	X	H	Ħ			
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional user", the related text is present and legible on the external packaging (See legal reference)						
P3	Conformity verification & Eco design (ErP)						
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 (add link or e-mail address): https://www.lenovo.com/us/en/compliance/eu-doc for EU https://www.lenovo.com/us/en/compliance/uk-doc for UK						
P3.2*	The product complies with the applicable Eco design requirements for energy-related products, (See legal reference)	\boxtimes					
	Required information is; given in item P15 or added to this document, available at (add URL): http://www.lenovo.com/ecodeclaration	\boxtimes					
P5	Product packaging						
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and 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) used (See legal reference)						
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						
P6	Treatment information						
P6.1*	Information for recyclers/treatment facilities is available (https://lenovo.com/recycling).	\square					

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

Model number *	ZADA,ZADB,ZADC,ZADG,ZADH,ZADJ,ZADK,ZADL	Logo	
Issue date *	2023-10-19		Lenovo.

Droduc	t environmental attributes - Market requirements (See General NOTE GN below)			
1 Todac	- Environmental conscious design	Require	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	N/A
P7	Design Disassembly, recycling		•	•
P7.1*	Parts that have to be treated separately are easily separable	\boxtimes		
P7.2*	Plastic materials in covers/housing have no surface coating		\square	
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials			\boxtimes
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4	\boxtimes		
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools			
P7.6*	Labels are easily separable (This requirement does not apply to safety/regulatory labels)	$\overline{\boxtimes}$		
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives		\boxtimes	
P7.8*	Upgrading can be done using commonly available tools		\boxtimes	
P7.9	Spare parts are available after end of production for: 1 years			
P7.10	Service is available after end of production for: 1 years			
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: PMMA Material type: PC+20%GF Material type: AL5252			
P7.12	Insulation materials of external electrical cables are PVC free	\boxtimes		
P7.13	Insulation materials of internal electrical cables are PVC free	\boxtimes		
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		\boxtimes	
P7.15	Printed circuit boards, PCBs (without components) are low halogen as defined in IEC 61249-2-21. (See NOTE B2): Only PCBs > 25g or All PCBs	\boxtimes		
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according to ISO 1043-4: Marking: FR40			
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other; chemical name: <i>Bisphenol A Bis(diphenyl phosphate)</i> , CAS #: 5945-33-5			
	<u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according to 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: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: "			
	3. Chemical name: , CAS #: Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according to ISO 1043-4:FR40	\boxtimes		
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)			

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.

Model number *	ZADA,ZADB,ZADC,ZADG,ZADH,ZADJ,ZADK,ZADL	Logo	1
Issue date *	2023-10-19		Lenovo

Product	environme	ental attributes - Ma	rket requirem	ents (continue	ed)		Requi	reme	nt met
Item			•	•	•		Yes	No	N/A
	Material a	nd substance require	ments (continue	ed)					
P7.20*	If YES; at a) Of tot perce	mer recycled plastic ma least one of the two alte tal plastic parts' weight entage of total plastic by veight of recycled mate	ernatives below s > 25 g, the posto weight) is 4%.	hall be answered onsumer recycle	d;	36): I content (calculated as a			
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									
P7.22*	If mercury	ces are free from mercu is used specify: Number	er of lamps:	and maximum	mercury content				
P7.23*		includes an integral disp	play, the total me	rcury content in	the integrated dis	splay: 0.0 mg			
P8	Batteries								
P8.1*	Battery ch	emical composition: <i>Li</i> -	ion						
P9		onsumption (See NOT							
P9.1	For the pro	oduct the following pow	er levels or enero	gy consumptions	are reported:				
Energy mode *			Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for modes and test method			
Peak (On-	Max)		10 W	10 W	10 W	Full Load			
Device Ca	tegory 2								
		OL Enabled (P _{short_idle})	2.7636 W	2.8272 W	2.8032 W	ENERGY STAR Comp			
_		OL Enabled (Plong_idle)	0.1728 W	0.1668 W	0.2604 W	ENERGY STAR Computers V8.0			
Sleep (S3)	– WOL En	abled (P _{Sleep})	0.1728 W	0.1668 W	0.2604 W	ENERGY STAR Compt	ıters V8	.0	
	(S5) – WOL	. Enabled (P _{off})	0.1176 W	0.1260 W	0.1548 W	ENERGY STAR Comp	ıters V8	.0	
PTEC * Typical En	ergy Consu	mption	W	W	W				
ETEC * Annual End Consumpti		Cat 1:	kWh/year 8.20 kWh/year	kWh/year 8.36 kWh/year	kWh/year 8.73 kWh/year	Mode Weighting Conventional			
Typical:		kWh/year	kWh/year	kWh/year					
External Power Supply Efficiency Level (Inter		national Efficienc	y Marking Protoc	col) * : VI	International Efficiency Protocol (IEMP) for Ex Power Supplies		ng		
Display res	Display resolution * : 2.304 megapixels								
Default tim	e to enter e	nergy save mode: 0 mi	nutes			ENERGY STAR Compu	ıters V8	.0	
P9.2*	Informatio	n about the energy save	e function is prov	ided with the pro	duct	l			
P9.3	P9.3 Energy efficiency class (monitors only):							\boxtimes	

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.

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.

Model number *	ZADA,ZADB,ZADC,ZADG,ZADH,ZADJ,ZADK,ZADL	Logo	1
Issue date *	2023-10-19		Lenovo

Product	environmental	attributes - Market requ	irements (co	ntinue	ed)		Require	ment	met
Item							Yes	No	N/A
P10	Emissions								
	Noise emission	- Declared according to IS	O 9296 (See NC	OTE B9)				
P10.1	Mode	Mode description			Statistical uppe _{-wa,c} (B)	er limit A-weighted sound po	ower level,		
	Idle	* Idle Mode		*					\boxtimes
	Operation	* Operating (SSD/HDD) * Operating (CPU)		*					
	Other Mode	Declared A-weighted sound pr	essure level (dB)		NA (operator i	position desktop – idle)			
	Other mode	Declared A-weighted sound pr	essure level (dB)		NA (operator p	position desktop – operating- position desktop – operating-			
	Magazirod accor	ding to: X ISO 7779 X E	CMA 74 C	ther			<u>,</u>		
	Electromagnet		CWA-74 OI	uiei	(Only II 110	t covered by ECMA-74)			
P10.4		y meets the requirement for	low frequency e	electron	nagnetic fields	of the following voluntary			
P12	Ergonomics fo	computing products							
P12.1*		ts the ergonomic requireme	nts of ISO 9241-	-307 foi	r visual display	y technologies	\boxtimes		
P12.2*		ut device meets the requirer						Ħ	干
P13		documentation							
P13.1*		ng material type(s): CardBo	ard weight (ke	(q): 0.2 1	13				
		ng material type(s): molded							
	Product packagi	ng material type(s): PP wei	ght (kg): 0.0037	•					
	Product packagi	ng material type(s):	weight (kg						
		ng material type(s):	weight (k						
		ng material type(s):	weight (k	(g):					
P13.2*		rimary packaging is free fro					\boxtimes		
P13.3*	consumer recov	ary corrugated fiberboard pared fiber content:			ontained perce	entage of minimum post-			
P13.4*		r user and product docume	ntation (tick box)):					
	Electronic X, F	aper 🔀, Other 🔲							
P13.5		plete this item if paper doc							
	User and production of the series of the ser	t documentation on paper n ecify:	nedia is chlorine	e-free:					
	Totally chlorine-	ree					\square		
	Elemental chlori						X		
	Processed chlor	ne-free							
P14	Voluntary prog	ams							
P14.1	The product me	ts the requirements of the f	ollowing volunta	ary prog	ram(s):				
	ENERGY STAR	© Criteria versio	n: 1/8 0	Data	2023.10.18	Product category: 2			
	Eco-label:	Criteria versio		Date:		Product category: 2 Product category:			
	Eco-label:	Criteria versio		Date:	-	Product category:			
P15		mation (See NOTE B10)	An alm nations	- 6 41	441	- 4 #: 4:			
P9		ption of computer produc							
P7.7 P7.8		nation of Upgradability (P	7.7/P7.8), the fo Upgradeable	onowing	y component	s can be upgraded:			
F1.0	Processor Memory		Upgradeable Upgradeable						
	Cards		Opgradeable Applicable						
	Drives/Storage		Applicable Upgradeable						
		makes no representation		2001112	ncae or warr	anties whether express o	r implied	rogari	dina
	the information	contained in this docume	ent. All informat	tion nr	ovided by su	onlier in this document is	provided	baser	ing Ion
	supplier's know	ledge available at the tim	e of completion	n. and	supplier shall	have no obligation to un	date such	- 4500	
		e information provided he						a Len	ovo
		sentative for more informa			,				

NOTE B9 A Guidance document on Acoustic Noise is available;

 $see \ \underline{http://www.ecma-international.org/publications/standards/Ecma-370.htm}.$

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 Lot26 Information Sheet - Network Equipment -

As required by_

- Commission Regulation (EC) No 1275/2008 of 17 December 2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off-mode electric power consumption of electrical and electronic household equipment (ErP Lot 6)
- Commission Regulation (EU) No 801/2013 of 22 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for (ErP Lot 26).

Products scope of this sheet:

Notebook/Tablet Computer < 6 W Idle

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

Commercial name	Lenovo Tab M11/K11	Logo
Model Number	ZADA,ZADB,ZADC,ZADG,ZADH,ZADJ,ZADK,ZADL	
Product Type	Tablet Computer	Lenovo
Issue Date	2023.10.19	
Additional information		

	oduct environmental attributes						
(1)	1) year of manufacture:						
	Product uses a low voltage external power supply. Only	Section (5) is completed.					
(2)	Network Standby Classification	LoNA Equipment					
	Off Mode Power (Watts)	0.1236 Watts					
	Standby Mode	0.1541 Watts					
		0.5 minutes Default Delay Time					
	Description of how to enable Network Standby Mode	Connect avaiable wifi/BT, then wait 0.5 minutes after no signal or press power button.	input				
	Description of how to manually enter Network Standby Mode	Wait 0.5 minutes after no signal input or press power button.					
	Default Delay time to Network Standby Mode	0.5 minutes					
	Reactivation Function from Network Standby Mode						

	Network Port	Wired Ethernet	Wireless Ethernet	USB-A	A USB-C	HDMI	BlueTooth	Other:	
	Present in Product								
	Activated at Shipment								
	Active in Network Standby Mode								
	Location of Network Port	Choose	N/A	Choose	Choose	Choose	N/A	Choose	
	Network Port Maximum Performance	GB/s	GB/s	G	B/s GB/s	GB/s	GB/s	GB/s	
	Network Protocol		802.11 a/b/g/n/ac				5.1		
	Network Standby Mode Power	Watts	0.2 Watts	Watts	Watts	Watts	0.1 Watts	Watts	
	Network Standby Power – All Connections		l		0.2 Watts				
	Test parameters for measurements, ambient temperature			23.5 degrees Celsius					
	ambient temperature			23.5 degrees Celsius					
	-	V and frequency in Hz			230 V / 50 Hz				
	total harmonic distortion of the electricity supply system				2.0%				
					Equipment	Make/Mod	el Last Date	Calibration	
	information and documentation on the instrumentation, set-up and circuits used for electrical testing			AC Source Power Analyzer	WT310E-C	22- 13/11/22			
				Timer	Testo 425				
					Thermometer Hygrometer	ITHX-SD	202	3/01/04	
	External power suppl		pplicable)*:		_				
	Model	Output Voltage	Output Current	Output Power	Average Active Efficiency	10% Load Efficiency			
	MC-202L	5 V	2 A	10 W W	83.24%	0.00%	0.02	W	
		V	A A	W				W	
		V	A	W				W	
		V	A	W	_	_		W	
		V	A A	W W	+	+		W	
		V	A	W	†	1		W	
		V	Α	W				W	
		V	A	W				W	
		V	A	W W		1		W	
		V	A A	W	+	+		W	
		V	\sim	V V				VV	
	*Values are tested at 230V /	50Hz							
			letermine infor	nation menti	oned in points (5) –	external PSU ef	ficiency:		
	*Values are tested at 230V / Measurement method			mation menti 3:2011/A1:2		external PSU ef	ficiency:		