

Product environmental attributes – THE ECO DECLARATION

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P14.

Brand *	Lenovo	Logo		
Company name *	Lenovo	7		
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5F1 Morrisville, North Carolina 27560 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/social_responsibility/us/en/datasheets_monitors.html			

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 *	isplay			
Commercial name *	.T2323p Wide			
Model number *	MT: 3024			
Issue date *	013.11.25			
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.

Quality	Requirement met		
Item		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	\boxtimes	
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality contro such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀	

Model number *	LT2323pwA	MT: 3024		
Issue date *	2013.11.25			

Logo

lenovo

Product	Require	ment	met	
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)			
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	\square		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (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).	\boxtimes		
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).	\square		
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS) Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values.	,		
P1.7*	Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference and Note B1)			\square
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998.			
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_responsibility/us/en/materials.html	\boxtimes		
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference)			
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)			\square
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on th design of the product). Exception: Batteries that are permanently installed for safety, performance, medic or data integrity reasons do not have to be "easily removable". (See legal reference)	e 🗌		
P3	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	\square		
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).			
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complie with legally required standards for radio and telecommunication devices (see legal reference).	S		\square
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	\square		
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference and Note B1).			\square
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).			\square
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium ar hexavalent chromium by weight of these together.	nd 🔀		
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\square		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montre Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	al 🔀		

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

Model n	umber * LT	2323pwA MT: 3024				
lssue da		3.11.25	Logo	leno	vo.	
Produc	t environment	al attributes - Market requirements - Environmental conscious	desian	Require	ment	met
Item		o fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a
P6	Treatment inf					
P6.1*	Information for	recyclers/treatment facilities is available (see legal reference).		\boxtimes		
P7	Design Disassembly,	recycling				
² 7.1*		e to be treated separately are easily separable		\square		
P7.2*		Is in covers/housing have no surface coating.				
P7.3*		100g consist of one material or of easily separable materials.				╞
P7.4*		25g have material codes according to ISO 11469 referring ISO 1043.			╞	
P7.5	-	re free from metal inlays or have inlays that can be removed with commonly	available tools		⊢⊢	
					⊢⊢	
P7.6*		ily separable. (This requirement does not apply to safety/regulatory labels).		\square		
P7.7*	Product lifetin					
		be done e.g. with processor, memory, cards or drives			⊢⊢	╧
P7.8*		be done using commonly available tools				
P7.9.		e available after end of production for: 5 years				
P7.10		lable after end of production for: 5 years				
		substance requirements				
P7.11*		housing material type:				
7 40	Material type:	ABS Material type: PC Materia e insulation materials of power cables are PVC free.	al type:			
7.12				<u> </u>		┶
97.13		e insulation materials of signal cables are PVC free				
P7.14		ing plastic parts >25g are free from chlorine and bromine.		\square		
P7.15	All printed circ Note B2)	uit boards (without components) >25g are halogen free. as defined in IEC6	61249-2-21. (Se	e 🗌	\square	
P7.16	Flame retarded Marking:	d plastic parts >25g in covers / housings are marked according ISO 1043-4:				\geq
P7.17	Alt. 1 Chemical spec	cifications of flame retardants in printed circuit boards >25g (without componence) ve), TBBPA (reactive) X, Other; chemical name: , CAS #:	ents):			
	ISO 1043-4: F	cifications of flame retardants in printed circuit boards (without components) $\frac{1}{R(16)}$	>25g according			
P7.18	concentrations	No legal limits exist, this is a market requirement.	s/preparations i	n 🗌		
	1. Chemical na 2. Chemical na 3. Chemical na Alt. 2 Chemical spec	ame: , CAS #:				
	Shermear spec	1040^{-4} .				$\mathbf{\nabla}$
P7.19		25g are free from flame retardant substances/ preparations above 0.1% clas 3, R50, R51, R53, R60, R61 and any combination of these (See Note B3)	sified as R45,			
P7.20		parts' weight >25g, recycled material content is 85%.				
P7.21		parts' weight >25g, biobased material content is <i>0</i> %.				
97.22	Light sources a	are free from mercury sed specify: Number of lamps: and max. mercury content per lamp:	mg			
P8	Batteries					
P8.1*	Battery chemic	cal composition:				\geq
- 8.2	Batteries meet	the requirements of the following voluntary program/s:				

Annex B of ECMA-370 4th edition, June 2009

Note B2: IEC61249-2--21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

Model nu	mber *	LT23	23pwA MT	: 3024				
Issue dat	e *	2013.11.2	25			Logo	lenovo	
Product	environn	nental att	ributes - Market	requirements (continued)		Requirement	met
Item				-			Yes No	n.a.
P9		consumpti						
9.1		broduct the	following power leve			•		
Energy mode *		Power level at 100 V AC	115 V AC	230 V AC	method *	gy modes and test		
Peak (On	-max)		21.46 W	21.44 W	21.44 W	Full load		
Catego								
Idle State - WOL Enabled		21.46 W	21.44 W	21.44 W	Use for ENERGY STAR V6 r	egistration (P _{idle})		
	8) - WOL E		0.19W	0.20 W	0.20 W	Use for ENERGY STAR V6 r	egistration(P _{sleep})	
Sleep (S3	3) - WOL D	isabled	0.19W	0.20 W	0.20 W	Reference		
Off (S5) -	WOL Ena	bled	0.12W	0.12 W	0.12 W	Use for ENERGY STAR V6 r	egistration(P _{off})	
Off (S5) -	WOL Disa	abled	0.12W	0.12 W	0.12 W	Use for EuP		
Catego	ry B			•	•	•		
Idle State	- WOL Er	abled	W	W	W	Use for ENERGY STAR V6 r	egistration(P _{idle})	
Sleep (S3	B) - WOL E	nabled	W	W	W	Use for ENERGY STAR V6 r	egistration (P _{sleep})	
Sleep (S3	3) - WOL D	isabled	W	W	W	Reference		
Off (S5) -	WOL Ena	bled	W	W	W	Use for ENERGY STAR V6 r	egistration(Poff)	
Off (S5) -	WOL Disa	abled	W	W	W	Use for EuP		
EPS No-lo	bad		W	W	W			
charger pl	power sup lugged in th disconnect ct.)	ne wall						
PTEC * Typical Er	nergy Cons	sumption	W	W	W			
TEC * Typical Er	nergy Cons	sumption	kWh/week	kWh/week	kWh/week			
ETEC * Annual Er	nergy Cons	sumption	57.19 kWh/year	57.15 kWh/year	57.15kWh/ye ar	$E_{TEC} = (8760/1000) \times (P_{off} \times 0)$ $P_{idle} \times 0.3)$.6 + P _{sleep} x 0.1 +	
			Poff: Off Mode(S5) -	WOL Enabled; Pslee	p: Sleep Mode(S3)	- WOL Enabled; Pidle: Idle State -	WOL Enabled	
Display re	solution*	: 1920*108	0 Megapixels					
Print Spee	ed *	: Ima	nages per minute					\boxtimes
Default tin	ne to enter	energy sav	ve mode: 15 second	s				
P9.2*	Informat	ion about th	ne energy save func	tion is provided w	ith the product.			
P9.3*	ENER		ets the energy requir [®] version: <i>Version</i> (0 1	0		
P10	Emissio		De alarra d'accordit					
P10.1	Noise er Mode		Declared according lode description	150 9296	Declared	Declared A-we	eighted	
	mode				A-weighted sound powe	d sound pressure level	$L_{p{\sf Am}}$ (dB)	
					level L_{WAd}	Desktop (0)	Bystander positions	
Idle *		HDD:Idle		*			\square	
	Operatio		HDD: Operating		*			\boxtimes
	Other me			•				4
	Measure	ed according	g to: ISO7779	ECMA-74		Control of the second		
P10.2	The proc	luct meets	Other the acoustic noise re			1 with L _{pAm} measurement distant tary program/s:	ce m)	
	ine hiot		the accustic HUISE I		e ronowing voluli	ary program/s.		

Model nur	mber *	LT2323pwA MT: 3024				
Issue date) *	2013.11.25 Logo		eno	10	
Product	environn	nental attributes - Market requirements (continued)	R	equire	ment	met
Item				Yes	No	n.a.
	Chemica	al emissions from printing products				
P10.3*	Test per	formed according to ECMA-328 (ISO/IEC 28360) standard 🔲, other specify:				\boxtimes
P10.4	Typical e	emission rate (print phase) is (mg/h):				\boxtimes
		Dust Ozone Styrene Benzene TVOC				
P10.5	Chemica	I emission requirements of the following voluntary program/s are met for :				\square
	0	Dust Ozone Styrene Benzene TVOC				
	Electror	nagnetic emissions				
P10.6	program		tary	\square		
P11	Consum	able materials for printing products				
P11.1*	A Safety	Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4	4.3).			\boxtimes
P11.2*	Paper c EN1228	ontaining post-consumer recycled fibers can be used, provided that it meets the requirement.	ents of			\square
P11.3*	2-sided (duplex) printing/copying is an integrated product function.				\square
P12	Ergonor	nics for computing products				
P12.1*		lay meets the ergonomic requirements of ISO 9241-307 for visual display technologies.		\square		
P12.2*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.			Ē	
P13	Packagi	ng and documentation				
P13.1*	Product Product Product	packaging material type(s): <i>EPS</i> weight (kg): <i>0.40</i> packaging material type(s): <i>PE Bag</i> weight (kg): <i>0.06</i> packaging material type(s): <i>Paper</i> weight (kg): <i>0.25</i> packaging material type(s): <i>Carton</i> weight (kg): <i>1.27</i>				
P13.2*	Product	plastic packaging is free from PVC.		\boxtimes		
P13.3*		nedia for user and product documentation (tick box):				
P13.4*		er user and product documentation, please specify contained percentage of post-consumer rec	ycled			
P14	Additior	al information (See Note B4)				
	informati knowled provided informati		d based ormation	on sup . The in	plier's forma	tion
P9		ergy Star Qualified Notebooks & Tablet Computers for the latest information: ww.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_coo	le=CO			

Note B4: 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 B

Reference	Declaration item
2002/95/EC (ROHS Directive)	P1.1, P4.1
REACH, Annex XVII	P1.6, P1.8, P4.2
REACH, Annex XVII	P1.4
REACH, Annex XVII	P1.2
REACH, Annex XVII	P1.7
REACH, Annex XVII	P1.9
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000	P1.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
2006/66/EC (Battery and accumulators Directive)	P2.1, P2.2, P2,3, P3.4, P8.1
2006/95/EC (Low Voltage Directive)	P3.1, 3.4
2004/108/EEC (New EMC Directive)	P3.2, 3.4
1999/5/EC (R&TTE Directive)	P3.3, 3.4
"REACH" Regulation (1907/2006), annex VII	P1.10
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P4.3
REACH article 31, annex II	P4.3
2004/12/EC (Directive on packaging and packaging waste)	P5.1
(97/129/EC) (Commission Decision on Identification System for Packaging Materials	P5.2
2037/2000/EC Regulation on Substances that Deplete the Ozone Layer	P5.3
2002/96/EC (WEEE directive)	P3.4, P6.1
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P7.19