

## 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 *	ThinkPad Logo				
Company name *	Lenovo				
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5F1 Morrisville, North Carolina 27560				
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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_notebooks.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 *	Notebook PC					
Commercial name *	ThinkPad Edge E535					
Model number * M/T: 3260						
Issue date *						
Intended market *	☑ Global ☑ Europe ☑ Asia, Pacific & Japan ☑ Americas ☐ Other					
Additional information	ENERGY STAR® Qualified; EPEAT Gold Rating, GREENGUARD Certification					

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

Quality	Quality Control		
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 control such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀	

Model number *	ThinkPad Edge E535 M/T:3260		
Issue date *	2012, May 16	Logo	lenovo.

Product	oduct environmental attributes - Legal requirements				
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.				
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).				
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*	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)				
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/cm²/week (see legal reference).				
P1.10*	Comment: Max limit in legal reference when tested according to EN1811:1998.  REACH Article 33 information about substances in articles is available at (add URL or mail contact):  http://www.lenovo.com/social_responsibility/us/en/environment.html				
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)	$\boxtimes$			
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medica or data integrity reasons do not have to be "easily removable". (See legal reference)				
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).				
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 complies with legally required standards for radio and telecommunication devices (see legal reference).				
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	$\boxtimes$			
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).				
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).		$\Box$	X	
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 and hexavalent chromium by weight of these together.	d 🔀			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	$\boxtimes$			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montrea Protocol (see legal reference).  Comment: Legal reference has no maximum concentration values.				

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

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Issue date *	2012, May 16	Logo	lenovo.

Product	uct environmental attributes - Market requirements - Environmental conscious design Requirement met				
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.			n.a.	
P6	Treatment information				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).				
P7	Design Disassembly, recycling				
P7.1*	Parts that have to be treated separately are easily separable	$\boxtimes$	П	П	
P7.2*	Plastic materials in covers/housing have no surface coating.			Ħ	
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.			Ħ	
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.				
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		$\dashv$	H	
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	$\boxtimes$	H	∺	
1 1.0	Product lifetime				
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives				
P7.8*	Upgrading can be done using commonly available tools	$\overline{\mathbb{X}}$	∺	$\overline{H}$	
P7.9.	Spare parts are available after end of production for: 5 years			∺	
P7.10	Service is available after end of production for: 5 years				
17.10	Material and substance requirements				
P7.11*	Product cover/housing material type:				
	Material type: <i>PC+ABS-FR(40)</i> Material type: <i>PC-FR(40)</i> Material type:				
P7.12	Electrical cable insulation materials of power cables are PVC free.		$\boxtimes$		
P7.13	Electrical cable insulation materials of signal cables are PVC free	币	$\overline{\boxtimes}$		
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.		$\overline{\Box}$	Ħ	
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See		Ħ	Ī	
	Note B2)				
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR(40)				
P7.17	Alt. 1				
	Chemical specifications of flame retardants in printed circuit boards >25g (without components):	$\boxtimes$			
	TBBPA (additive), TBBPA (reactive), Other; chemical name: 9,10-dihydro-9-oxa-10-				
	phosphaphenanthrene-10-oxide , CAS #: 35948-25-5				
	Alt. 2	$\boxtimes$			
	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according				
D7.40	ISO 1043-4: <i>FR(40)</i>				
P7.18	Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in	$\boxtimes$			
	concentrations above 0.1%:		ш	Ш	
	Comment: No legal limits exist, this is a market requirement.				
	Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain				
	complete chemical name, CAS number and supplier.  1. Chemical name: <i>TMB1615</i> , CAS #: <i>confidential</i> , Supplier: <i>Mitsubishi</i>				
	2. Chemical name: <i>FR3002</i> , CAS #: <i>confidential</i> , Supplier: <i>BAYER</i>				
	3. Chemical name: <i>GC1150</i> , CAS #: <i>confidential</i> , Supplier: <i>Sabic</i>				
	Alt. 2	$\boxtimes$			
	Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:				
P7.19	FR(40)  Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45,	$\square$	$\overline{}$		
1 7.15	R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)		ш	Ш	
P7.20	Of total plastic parts' weight >25g, recycled material content is 10.69 %.	_			
P7.21	Of total plastic parts' weight >25g, biobased material content is 0%.				
P7.22	Light sources are free from mercury				
P8	Batteries Communication of the				
P8.1*	Battery chemical composition: Li-ion			Щ.	
P8.2	Batteries meet the requirements of the following voluntary program/s: US RBRC				

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 number *	Think	Pad Edge	E535 M/T:	3260			
ssue date * 2012, May 16 Logo lenovo.							
Product environme	ental attril	hutes - Market	requirements (co	ontinued)	Requirement	met	
Product environmental attributes - Market requirements (continued)    Requirement me							
P9 Energy consumption							
		llowing power lev		mptions are reporte	d:		
Energy mode *	·	ower 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 *		
Peak (On-max)	6	5/90W	65/90W	65/90W	Full load		
Category A							
Idle State - WOL Ena	bled 6.	958 W	6.985 W	<i>7.35</i> W	Use for ENERGY STAR Registration (Pidle)		
Sleep (S3) - WOL End	abled 1.	<i>078</i> W	1.08 W	<i>1.119</i> W	Use for ENERGY STAR Registration (P <sub>sleep</sub> )	一	
Sleep (S3) - WOL Dis	sabled 1.	<i>024</i> W	<i>1.026</i> W	<i>1.065</i> W	Reference		
Off (S5) - WOL Enabl	led 0.	456 W	<i>0.458</i> W	<i>0.494</i> W	Use for ENERGY STAR Registration (Poff)	$\Box$	
Off (S5) - WOL Disab	oled 0.	454 W	<i>0.454</i> W	0.454 W	Use for EuP		
Category B							
Idle State - WOL Ena	bled 6.	974 W	7.053 W	<i>7.243</i> W	Use for ENERGY STAR Registration (Pidle)		
Sleep (S3) - WOL End	abled 1.	<i>069</i> W	<i>1.07</i> W	<i>1.123</i> W	Use for ENERGY STAR Registration (P <sub>sleep</sub> )		
Sleep (S3) - WOL Dis	sabled 1.	<i>024</i> W	<i>1.034</i> W	<i>1.072</i> W	Reference		
Off (S5) - WOL Enabl	led 0.	<i>461</i> W	<i>0.465</i> W	<i>0.517</i> W	Use for ENERGY STAR Registration (Poff)		
Off (S5) - WOL Disab	oled 0.	484 W	<i>0.484</i> W	<i>0.484</i> W	Use for EuP		
EPS No-load (External power supply charger plugged in the outlet but disconnecte the product.)	y / e wall	0.091W	0.095W	0.139W			
TEC		.416 kWh/week	0.4175 kWh/week	0.44 kWh/year	Energy Star		
Typical Energy Consu	mption 0.	417 kWh/week	0.421 kWh/week	0.437 kWh/year			
ETEC *		1.627 kWh/year	21.71 kWh/year	22.893 kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.6 + P_{sleep} \times 0.6)$		
Annual Energy Consumption 21.686 kWh/year 21.		21.917 kWh/year	22.736 kWh/year	$0.1 + P_{idle} \times 0.3$			
	P	off: Off Mode(S5) - I	WOL Enabled; P <sub>sleep</sub> : S	Sleep Mode(S3) - WOL	. Enabled; P <sub>idle</sub> : Idle State - WOL Enabled	·	
Display resolution :	1024*600M	legapixels			Specification		
Print Speed :		Images per minu	te			$\boxtimes$	
Default time to enter e	energy save	mode: 10(to disp	lay off),20(to sleep)	minutes	Energy star		
P9.2* Informatio	n about the	energy save fund	tion is provided with	the product.			
P9.3* The produ	ct meets the	e energy requiren	nents of the followin	g voluntary program	/s:		

	ENERGY STAR® version: 5.2 Product category: Notebook computer  Others specify:					$\mathbb{H}$	
P10	Emissions						
	Noise emission – Declared according to ISO 9296						
P10.1	Mode	Mode description	Declared A-weighted sound power level $L_{WAd}$ (B)		A-weighted level $L_{p \text{Am}}$ (dB)  Bystander positions (only if product is not operator attended)		
	Idle	* System idle	* 2.9	1	9.2		
	Operation	* CPU loading >90%	* 3.4	2	3.1		
	Other mode	ODD operating	4.5				
	Measured accord		overed by ECMA-	74 with L <sub>pAm</sub> measurem	nent distance		
P10.2	The product mee	ets the acoustic noise requirements of the fo	ollowing voluntary	program/s:			

Wodernu	ilibei	ThinkPad Edge E535 NI/T:3260					
Issue date	e *	2012, May 16	Logo	le	no	VO	
Product	environn	mental attributes - Market requirements (continued)		Re	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:					$\square$
P10.4		emission rate (print phase) is (mg/h):					
		Dust Ozone Styrene Benzene TVOC					
P10.5		al emission requirements of the following voluntary program/s are met  Oust Ozone Styrene Benzene	for : TVOC				
		magnetic emissions					
P10.6	program.	er display meets the requirement for low frequency electromagnetic fields of t //s: SDRRS	he following volu	ıntary			
P11		nable materials for printing products					
P11.1*		Data Sheet (SDS) is available for the ink/toner preparation, even if not legall					$\boxtimes$
P11.2*	EN1228		ets the requirer	nents of			
P11.3*	2-sided (	(duplex) printing/copying is an integrated product function.					$\boxtimes$
P12		mics for computing products					
P12.1*	The disp	play meets the ergonomic requirements of ISO 9241-307 for visual display tec	hnologies.				$\boxtimes$
P12.2*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.					$\boxtimes$
P13		ing and documentation					
P13.1*	Product	packaging material type(s): carton & paper pad packaging material type(s): paper cushion weight (kg): 0.62 weight (kg): 0.235 packaging material type(s): bag weight (kg): 0.025					
P13.2*	Product	plastic packaging is free from PVC.			$\boxtimes$		
P13.3*		media for user and product documentation (tick box): ic , Paper , Other					
P13.4*		er user and product documentation, please specify contained percentage of p	ost-consumer re	ecycled			
P14		nal information (See Note B4)					
	informati knowled provided informati		cument is provided update such in novo Account Re	led based of the formation.	on sup The in	plier's iforma	
P7.17		t does not contain free TBBPA in printed circuit boards(without compon					
P9		ERGY STAR Qualified Notebooks & Tablet Computers for the latest infor ownloads.energystar.gov/bi/qplist/laptops_prod_list.xls	rmation:				
			·				

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