

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	
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5J3 Morrisville, North Carolina 27560 alcarter@lenovo.com	lenovo
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.	.html
Additional information		

	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 *	Personal Computer					
Commercial name *	ThinkCentre M92/M92p SFF					
Model number *	2934,2941,2945,2961,2982,2988,2993,2996,3181,3183,					
	3185,3187,3198,3202,3207,3209,3214,3218,3224,3227					
Issue date *	2012.04.27					
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other					
Additional information	ENERGY STAR® Qualified; EPEAT Gold Rating, GREENGUARD Certification, ULE certificate					

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		
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 *	ThinkCentre M92/M92p SFF		
	MT: 2934,2941,2945,2961,2982,2988,2993,2996,3181,3183,318	3 <mark>5,3187,</mark> 3	3198,3202,3207,3209,
	3214,3218,3224,3227		
Issue date *	2012.04.27	Logo	lenovo

Product	environmental attributes - Legal requirements	equire	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.	\boxtimes		
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).	\boxtimes		
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).	\boxtimes		
	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/ThinkGreen_products.html#environment			
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			
DO O*	provided in user manual. (See legal reference)	N 1		
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)			<u> </u>
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, medical or data integrity reasons do not have to be "easily removable". (See legal reference)		Ш	Ш
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	П	
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	$\overline{\mathbb{X}}$	Ħ	Ħ
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).			\boxtimes
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.			
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 Montreal 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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	3214,3218,3224,3227			
Issue date *	2012.04.27	Logo	lenovo	

Product	t environmental attributes - Market requirements - Environmental conscious design Re	quire	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	\boxtimes		
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.		X	T
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.	X		
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.	\boxtimes		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\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: 5 years			
P7.10	Service is available after end of production for: 5 years			
	Material and substance requirements			
P7.11*	Product cover/housing material type:			
	Material type: PC/ABS Material type: Steel			
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		\boxtimes	
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.	\boxtimes		
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See		\boxtimes	
	Note B2)			
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking:			
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components):			
	TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #:	Ш	Ш	Ш
	TBBI / (duditive) , TBBI / (redutive) , Ottori, oriented fiditie. , O/10 #.			
	Alt. 2			
	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according	\boxtimes		
D= 40	ISO 1043-4: Brominated Epoxy Resin See P14			
P7.18	Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in			
	concentrations above 0.1%:	ш	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: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier:			
	3. Chemical name: , CAS #: , Supplier:			
	Alt. 2	\boxtimes		
	Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:			
P7.19	Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45,			
1 7.13	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 SFF: 44.62 %			
P7.21	Of total plastic parts' weight >25g, biobased material content is 0%.			
P7.22	Light sources are free from mercury			\boxtimes
P8	Batteries		•	
P8.1*	Battery chemical composition:			\boxtimes
P8 2	Ratteries meet the requirements of the following voluntary program/s:			

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.

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Issue date *	2012.04.27	Logo	lenovo		

Product environmental attributes - Market requirements (continued)									
Item				Yes No	n.a.				
P9 Energy consumpt									
	e following power level oped w/ WOL Enable		nptions are reported	d: See P14					
Energy mode *	Energy mode * Power level at 100 V AC Power level at 230 V AC Reference / Standard for energy modes and test method *								
Category D									
Idle State - WOL Enabled	32.93 W	32.70 W	32.44 W	Use for Energy Star V5 registration(P _{idle})					
Sleep (S3) - WOL Enabled	1.70 W	1.68 W	1.80W	Use for Energy Star V5 registration(P _{sleep})					
Off (S5) - WOL Enabled	<i>0.65</i> W	0.66 W	0.78 W	Use for Energy Star V5 registration(P _{off})					
Peak (On-max)	101.91W	100.42w	102.01w	Full load					
Category C				,					
Idle State - WOL Enabled	N/A	N/A	N/A	Use for Energy Star V5 registration(P _{idle})					
Sleep (S3) - WOL Enabled	N/A	N/A	N/A	Use for Energy Star V5 registration(P _{sleep})					
Off (S5) - WOL Enabled	N/A	N/A	N/A	Use for Energy Star V5 registration(P _{off})					
Peak (On-max)	N/A	N/A	N/A	Full load					
Category B									
Idle State - WOL Enabled	33.16 W	33.48 W	33.17 W	Use for Energy Star V5 registration(P _{idle})					
Sleep (S3) - WOL Enabled	1.82W	1.81 W	1.84 W	Use for Energy Star V5 registration(P _{sleep})					
Off (S5) - WOL Enabled	0.47 W	<i>0.50</i> W	<i>0.80</i> W	Use for Energy Star V5 registration(P _{off})					
Peak (On-max)	79.41 W	73.01 W	77.82 W	Full load					
Category A									
Idle State - WOL Enabled	33.18 W	33.25 W	35.89 W	Use for Energy Star V5 registration(P _{idle})					
Sleep (S3) - WOL Enabled	1.65 W	1.68 W	1.73 W	Use for Energy Star V5 registration(P _{sleep})					
Off (S5) - WOL Enabled	0.47 W	<i>0.50</i> W	0.62 W	Use for Energy Star V5 registration(P _{off})					
Peak (On-max)	67.32 W	66.87 W	67.41 W	Full load					
EPS No-load	W	W	W						
(External power supply / charger plugged in the wall outlet but disconnected from									
TEC	kWh/week	kWh/week	kWh/week						
Typical Energy Consumption									
ETEC * Annual Energy Consumption	Cat D: 119.26; Cat C:N/A ; Cat B: 119.25; Cat A: 115.75; kWh/year	Cat D: 118.50; Cat C: N/A ; Cat B: 120.52; Cat A: 119.65; kWh/year	Cat D: 118.22; Cat C: N/A ; Cat B: 120.89; Cat A: 129.50 kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.6 + P_{sleep} \times 0.1 + P_{idle} \times 0.3)$					
	P _{off} : Off Mode(S5) - I	WOL Enabled; P _{sleep} :	Sleep Mode(S3) - WO	L Enabled; P _{idle} : Idle State - WOL Enabled					
Display resolution : M	egapixels								
Print Speed :	Images per minut	e							
Default time to enter energy sa	Default time to enter energy save mode: 30 minutes								
P9.2* Information about t	he energy save func	tion is provided with	the product.						
P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 5.2 Product category: A,B,C,D Others specify:									

Model nu	ımber *	MT: 2	nkCentre M92/M 2934,2941,2945,2961,2 ,3218,3224,3227			1,3183,3185	5,3187,3	198,320	2,320	7,32	09,
Issue dat	e *	2012.0					Logo	le	no	VO	
P10	Emissio	ns				L					
-			- Declared according to ISO	9296							
P10.1	Mode		Mode description		Declared A-weighted sound power		Declared A			itions	
					level L_{WAd} (B)		ktop 🔀 side 🗌	(only if pr	oduct i	s not	
	Idle		* HDD: Idle		* 3.3		23	3			
	Operation	n	* HDD: Operating		*3.5		25	5			
	Other m	ode									
	Measure	ed accor	ding to: X ISO7779 ECM	ЛА-74							
			Other (on	ly if not covere	d by ECMA-74 wit	h L _{pAm} measui	rement dis	tance	m)		
P10.2	The pro	duct me	ets the acoustic noise require	ments of the fo	llowing voluntary	orogram/s:					\boxtimes
Product	environi	nental	attributes - Market requi	rements (co	ntinued)			Re	quire	ment	met
Item									Yes	No	n.a.
	Chemic	al emis	sions from printing product	s							
P10.3*			according to ECMA-328 (ISO	/IEC 28360) sta	andard, other :	specify:					\boxtimes
P10.4	Typical	emissior	rate (print phase) is (mg/h):								\boxtimes
		Dust	Ozone Styren		zene TVC						
P10.5			ion requirements of the follow		_	are met for :	T /00 🗖		Ш		\boxtimes
		Dust	Ozone Stylic emissions	yrene	Benzene		TVOC				
P10.6		er displa	y meets the requirement for l	ow frequency e	electromagnetic fie	elds of the follo	wing volur	ntary			
P11			aterials for printing product	:S						•	
P11.1*			heet (SDS) is available for the		paration, even if no	ot legally requi	red (see P	4.3).	П		\square
P11.2*	Paper of EN1228		g post-consumer recycled fil	bers can be u	ised, provided tha	at it meets the	e requirem	nents of			
P11.3*	2-sided	(duplex)	printing/copying is an integra	ted product fur	nction.						\boxtimes
P12			r computing products								
P12.1*			ets the ergonomic requiremen				ies.				
P12.2*	The phy	sical inp	ut device meets the requirem	ents of ISO 99	95 and ISO 9241-	410.			\boxtimes		
P13.1*	Product Product	packagi packagi	documentation ng material type(s): Corrugati ng material type(s): Fabricate ng material type(s): HDPE	ed PE \	weight (kg): 1.125 weight (kg): 0.165 veight (kg):0.016						
P13.2*	Product	plastic p	packaging is free from PVC.						X		
P13.3*											
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: 0% (Japan only 70%)										
P14			rmation (See Note B4)							• "	
	informat knowled provided informat	ion cont ge avail I here is ion.	er makes no representations, gained in this document. All infable at the time of completion approximate and provided fo	ormation provi , and supplier r informational	ded by supplier in shall have no obliq purposes only. Se	this document gation to updat ee a Lenovo Ad	is provide te such info ccount Rep	ed based o ormation.	n supp The inf	lier's ormati	on
P7.17 P9			ot contain free TBBPA in products) for the								
LA	See Find ENERGY STAR Products) for the latest Qualified Desktop Computer information: https://www.energystar.gov/index.cfm?c=products.pr_find_es_products										

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