

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 *	IdeaPad	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 *	www.pc.ibm.com/ww/lenovo/about/environment	
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 *	Notebook PC					
Commercial name *	Ideapad Y650					
Model number *	M/T:20016, 4185					
Issue date *	ue date * 2009-Nov-03					
Intended market *	Global Europe Asia, Pacific & Japan Americas Other					
Additional information	ENERGY STAR® Qualified; EPEAT GOLD Rating; GREENGUARD Certified					

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(Quality Control Requirement n			
I	ltem	Yes	No	
7	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 cont such as organized by IT-Företagen (see www.itecodeclaration.org).	rol 🔀		

Model number *	IdeaPad Y650 M/T:20016, 4185		
Issue date *	2009-Nov-03	Logo	lenovo

PH 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 biphenyle (PBB) or 0.1% polybrominated biphenyle (PBB); (See legal reference and Note B1) P1.2" Products do not contain Asbestos (see legal reference).	Product	environmental attributes - Legal requirements	Require	ment	met
P1.1 Products do not contain more than: 0.1% lead. 0.01% cadmium. 0.1% nercury. 0.1% hexavalent chromium.			Yes	No	n.a.
0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1) P1.2* Products do not contain Asbastos (see legal reference). Comment: Legal reference has no maximum concentration value. P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBPC), hydrochlorofluorocarbons (HCPC), hydrobromofluorocarbons (HBPC), hydrochlorofluorocarbons (HCPC), Halons, carbontetrachloride, 1,1,1-trichlorocethane, 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 concentration values. P1.5* Products do not contain more than: 0.1% short chain chioroparaffins (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 Tir-(2,3-dibromoprophyl-phosphate (TRIS), Tir-(acindnyl-phosphenexokid (TFRA), polybrominated biphenyl (PSB) (see legal reference). P1.7* Toxicia 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 arsent and chromium as a wood preservation treatment as well as contact and contain arsent and chromium as a wood preservation treatment as well as Comment: Legal reference and Note B1) P1.9* Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm/week (see legal reference). P2.1* If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains the product on the product do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference) P2.2* Batteries P2.1* If product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains provided in					
Comment: Legal reference has no maximum concentration value. 1-3.3 Products do not contain Cozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrobromofluorocarbons (HBFC), hydrobromofluorocarbons (HBFC), hydrobromofluorocarbons (HBFC), hydrobromofluorocarbons (HBFC), hydrochromofluorocarbons (HBFC), Halons, carbontetrachloride, 1,1,1-trichlorocethane, methyl bromide (see legal reference). 1-3	P1.1*	0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal			
P1.31 Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrochromofluorocarbons (HBFC), Majorcchlorofluorocarbons (HGFC), Halons, carbontetrachloride, 1,1,1-trichlorocethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values. P1.42 Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference). P1.57 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). P1.67 Textile and leather parts with direct skin contact do not contain Tri-(2.3-dibromopropyl)-phosphate (TRIS), Tris-(azidfidnyl)-phosphineoxide (TEPA), polybromianted biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values. P1.57 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) P1.58 Woodon parts do not contain arsent skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference). Comment: Legal reference has no maximum concentration values. P1.99 Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm//week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998. P1.101 REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_responsibility/sen/environment.html P2.8 Batteries P2.11 If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if tontains more than 0.005% of mercury (or both cells of its 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).	P1.2*		\boxtimes		
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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-(azridinyl)-phosphinoxide (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 pertachlorophenol 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 microgramicm/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/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' Batteries and accumulators are easily removable', (See legal reference). P2.2' Batteries and accumulators on the than 0.005% of mercury or 0.002% of cadmium. (See legal reference) P3.1' The product complies with legally required standards for electromagnetic compatibility (see legal reference). P3.1' The product is liabeled to show conformance	P1.4*		\boxtimes		
chain containing at least 48% per mass of chlorine in the SCCP (see legal reference). 1-16.** Tettile and leather parts with direct skin contact do not contain Tri-(2.3-dibromopropyl)-phosphate (TRIS), Tris-(azridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). 2-17.** Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference has no maximum concentration values.) 1-18.** Wooden parts do not contain arence and Note B1) 1-19.** Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 2-19.** Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 2-10.** microgramicm/week (see legal reference). 2-10.** Comment: Max limit in legal reference when tested according to EN1811:1998. 1-10.** REACH Article 33 information about substances in articles is available at (add URL or mail contact): 2-11.** http://www.lenovo.com/social_responsibility/us/en/environment.html 1-19.** Batteries 1-10.** Batteries 1-10.** Batteries 1-10.** It 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, H.go r. Pb. Information on proper disposal is provided in user manual. (See legal reference) 1-19.2.** Batteries and accumulators do not contain more than 0.005% of mercury. Other batteries or accumulators do not contain more than 0.005% of mercury or 0.002% of cadmium. (See legal reference) 1-19.3.** The product complies with legally required standards for electromagnetic compatibility (see legal reference) 2-2.** 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, med		terphenyl (PCT) in preparations (see legal reference).			
Tris-(aziridinyly-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values. 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 releases 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 3 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_respons/bility/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* 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 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 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 by either users or service providers (as elegal reference). P3.3* If product complies with legally required safety standards as specified (se	P1.5*	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).			
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P1.8* Wooden parts do not contain arsenic and Knormium 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). 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/en/vironment.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) Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators are easily removable by either users or service providers (abependent 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) P3.1* The product complies with legally required safety standards as specified (see legal reference). P3.3* If product is intended for connection to the telephone network and labeling P3.1* The product complies with legally required safety 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 electromagnetic compatibility (see legal reference). P3.4* The product is labeled to show conformance with applicable legal requirements (see legal refer	D1 7*			_	
P1.9* 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/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/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 0.005% 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 readmium. (See legal reference) 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). P3.3* The product complies with legally required standards for electromagnetic compatibility (see legal reference). P3.4* The product complies with legally required safety standards as specified (see legal reference). P3.4* The 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). P4.1* If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.1% by wei	P1.7				X
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	P1.8*				\square
P1.9° Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm²/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/environment.html P2 Batteries P2.11° If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.005% 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) 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) 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 electromagnetic compatibility (see legal reference). 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). P4.2° If his ink/hore formulation/preparation is classified as hazardous according to applicable regulations, the product/packagi		pentachlorophenol and derivatives (see legal reference).	ш	ш	
microgram/cm²/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/lus/en/environment.html 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) 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) P3.3* 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). P4.4* The product is labeled to show conformance with applicable legal requirements (see legal reference). 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). P4.2* If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference). P4.4*					
P1.10* REACH Article 33 information about substances in articles is available at (add URL or mail contact): REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_respons/bility/tus/en/en/vironment.html P2	P1.9*		\boxtimes		
P2.1 Batteries P2.2 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 0.005% of mercury or 0.002% of cadmium. (See legal reference) 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) P3.1 Safety, EMC connection to the telephone network and labeling P3.1 The product complies with legally required standards for electromagnetic compatibility (see legal reference). P3.2 If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for electromagnetic compatibility (see legal reference). P3.4 The product is labeled to show conformance with applicable legal requirements (see legal reference). 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 a hoto conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference). 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). P5.1 Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium and hexavalent chromi					
P2 Batteries February Feb	P1 10*				
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Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

Model number *	IdeaPad Y650 M/T:20016, 4185		
Issue date *	2009-Nov-03	Logo	lenovo

Product	t environmental attributes - Market requirements - Environmental conscious design R	equire	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		П
P7.2*	Plastic materials in covers/housing have no surface coating.	市		
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.			Ħ
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		\overline{H}	H
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		\dashv	\forall
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives		П	П
P7.8*	Upgrading can be done using commonly available tools		Ħ	Ħ
P7.9.	Spare parts are available after end of production for: 5 years			Ħ
P7.10	Service is available after end of production for: 5 years			H
	Material and substance requirements			
P7.11*	Product cover/housing material type:			
	Material type: <i>PC+ABS-FR(40)</i> Material type: 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		X	
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.			Ī
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See			
P7.16	Note B2) Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4:			
	Marking: FR(40)			Ш
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #:			
	Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>Brominated Epoxy Resin See P14</i>			
P7.18	Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%:			
	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 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40)			
P7.19	Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)			
P7.20	Of total plastic parts' weight >25g, recycled material content is 0%.			
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: Lithium Ion/Lithium Manganese Dioxide			
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 num	IdeaPad Y650 M/T:20016, 4185				
Issue date	* 2009-Nov-03	Logo	lend	DVO	Č.
Product e	environmental attributes - Market requirements (continued)		Requi	ement	met
Item			Yes	No	n.a.
P9	Energy consumption				

Item	Item Yes No n.a.					n.a.	
P9 Energy consumption							
9.1 For the product the following power levels or energy consumptions are reported: See P14 The product is shipped w/ WOL Enabled.							
Energy mo	gy mode * Power level at Power level at 100 V AC Power level at 230 V AC Reference / Standard for energy modes and test method *						
Peak (On-	max)	W	90 W	90 W	Full load		
Category A							
Idle State	- WOL Enabled	W	10.3 W	10.5 W	Use for Energy Star V5 registration(P _{idle})		
Sleep (S3)	- WOL Enabled	W	1.55 W	1.86 W	Use for Energy Star V5 registration(P _{sleep})		
Sleep (S3)	- WOL Disabled	W	W	W	Reference		
Off (S5) - I	WOL Enabled	W	0.60 W	0.71 W	Use for Energy Star V5 registration(P _{off})		
Off (S5) - I	WOL Disabled	W	W	W	Use for EuP		
Categor	<u>y B</u>						
Idle State	- WOL Enabled	W	14.8 W	16.0 W	Use for Energy Star V5 registration(P _{idle})	\boxtimes	
Sleep (S3)	- WOL Enabled	W	1.81 W	1.91 W	Use for Energy Star V5 registration(P _{sleep})	\boxtimes	
Sleep (S3)	- WOL Disabled	W	W	W	Reference	\boxtimes	
Off (S5) - I	WOL Enabled	W	0.59 W	0.71 W	Use for Energy Star V5 registration(Poff)	\boxtimes	
Off (S5) - I	WOL Disabled	W	W	W	Use for EuP	X	
EPS No-loa	ad ower supply /	W	0.34 W	0.34 W			
charger plu	igged in the wall lisconnected from						
TEC Typical En	ergy Consumption	kWh/week	kWh/week	kWh/week			
ETEC *		kWh/week	31.7 kWh/week	43.6 kWh/week	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.6 + P_{sleep} \times 0.6)$		
	ergy Consumption	kWh/week	33.0 kWh/week	47.6 kWh/week	$0.1 + P_{idle} \times 0.3$		
		P _{off} : Off Mode(S5) - I	NOL Enabled; P_{sleep}: 3	Sleep Mode(S3) - WO	DL Enabled; P _{idle} : Idle State - WOL Enabled		
Display res	solution : 1366x7		у отобр	,	1		
Print Spee		Images per minut ave mode: minutes	e				
P9.2*		the energy save fund	tion is provided with	the product		H	
P9.3*		s the energy requiren	•	•		Ш	
1 3.5	ENERGY STAR®	version: Version 5.0 nergy Star for Exteri	dated July 1, 2009	Product category:	A		
P10	Emissions						
D10.1		 Declared according Mode description 	to ISO 9296	Declared	Declared A-weighted		
P10.1	Mode	Mode description		A-weighted	sound pressure level L_{pAm} (dB)		
				sound power	,		
				level $L_{W extsf{Ad}}$ (B)	operator position 2		
					or Desk side (only if product is not		
	Idle	* HDD: Idle		* 2.38	operator attended)		
	Operation	* HDD: Operating		* 4.45	44.5	lΗ	
	Other mode						
	Measured accord		ECMA-74				
P10.2	The product most	Other		•	h L _{pAm} measurement distance m)		
. 10.2	10.2 The product meets the acoustic noise requirements of the following voluntary program/s:						

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Product	environmental attributes - Market requirements (continued)	Require	ment	met
Item	, ,	Yes	No	n.a.
	Chemical emissions from printing products			
P10.3*	Test performed according to ECMA-328 (ISO/IEC 28360) standard , other specify:			\boxtimes
P10.4	Typical emission rate (print phase) is (mg/h):			
	Dust Ozone Styrene Benzene TVOC			
P10.5	Chemical emission requirements of the following voluntary program/s are met for :			\square
	Dust Ozone Styrene Benzene TVOC			
	Electromagnetic emissions			
P10.6	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s: MPR-II	\boxtimes		
P11	Consumable materials for printing products			
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).			\boxtimes
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.			\boxtimes
P11.3*	2-sided (duplex) printing/copying is an integrated product function.			\boxtimes
P12	Ergonomics for computing products			
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies. See P14	\boxtimes		
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410. See P14		$\overline{\Box}$	\blacksquare
P13	Packaging and documentation			
P13.1*	Product packaging material type(s): Corrugated cardboard weight (Kg): 0.96 Kg			
	Product packaging material type(s): Polystyrene weight (Kg): 0.00 Kg			
	Product packaging material type(s): Polyethylene weight (Kg): 0.13 Kg			
P13.2*	Product plastic packaging is free from PVC.	\boxtimes		
P13.3*	Specify media for user and product documentation (tick box):			
	Electronic , Paper , Other			
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: 0% (Japan only 70%)			
P14	Additional information (See Note B4)	•		
	NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied information contained in this document. All information provided by supplier in this document is provided based knowledge available at the time of completion, and supplier shall have no obligation to update such information provided here is approximate and provided for informational purposes only. See a Lenovo Account Representa information.	on supp	lier's ormati	
P7.17	Product does not contain free TBBPA in printed circuit boards(without components)>25g.			
P9	See Energy Star Qualified Notebooks & Tablet Computers for the latest information:			
D40.4	http://downloads.energystar.gov/bi/qplist/laptops_prod_list.xls			
P12.1	Product is designed to meet the subject ISO Standard 9241-307, but is not confirmed through formal ter			
P12.2	Product is designed to meet the subject ISO Standard 9995 and 9241-410, but is not confirmed through methods.	tormal t	est	

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