

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	t.html		
Additional information	The latest version of this document can be found at http://www.lenovo.com/social_responsibility/us/en/datasheets_desktops.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 *	Traditional Desktop			
Commercial name *	IdeaCentre K450			
Model number *	90A1, 10121, 90A0, 10120			
Issue date *	2014-05-21			
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other			
Additional information	Energy Star Qualified (Model 90A1,10120)			

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

Quality	Control	Requireme	nt 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).		

Model number *	IdeaCentre K450	MT: 90A1, 10121, 90A0, 10	0120
Issue date *	2014-05-21	Logo	lenovo.

Product	environmental attributes - Legal requirements	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.			
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).	\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)			\boxtimes
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). 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	\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)			
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	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	\boxtimes		
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	\boxtimes		
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.	g 🔀		
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.	ıl 🔀		

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

Model number *	IdeaCentre K450	MT: 90A1, 10121, 90A0, 10	0120
Issue date *	2014-05-21	Logo	lenovo.

Product	Product environmental attributes - Market requirements - Environmental conscious design Rec						
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		$\overline{}$			
P7.2*	Plastic materials in covers/housing have no surface coating.	+	X	\overline{H}			
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.			-			
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.						
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels). Product lifetime						
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\square					
P7.8*	Upgrading can be done using commonly available tools		\vdash	-H			
P7.9.	Spare parts are available after end of production for: 5 years			+			
P7.10				井			
1 7.10	Service is available after end of production for: 5 years Material and substance requirements						
P7.11*	Product cover/housing material type:						
	Material type: ABS Material type: STEEL Material type: PMMA						
P7.12	Electrical cable insulation materials of power cables are PVC free.	\Box	X				
P7.13	Electrical cable insulation materials of signal cables are PVC free	Ħ	X	一片			
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.			+			
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See	+	X	井			
7.10	Note B2)	ш		ш			
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4:	X		\Box			
	Marking:						
P7.17	Alt. 1						
	Chemical specifications of flame retardants in printed circuit boards >25g (without components):	Ш					
	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:						
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:	\boxtimes					
	Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:		ш	ш			
	one mical specifications of fiame retainants in plastic parts >259 according 150 10454.						
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 %.	$\overline{}$	_				
P7.22	Light sources are free from mercury	<u>Ц</u>					
P8.1*	Batteries Battery chemical composition:						
P8 2	Batteries 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.

Model number *	IdeaCentre K450	MT: 90A1, 10121, 90A0, 10120			
Issue date *	2014-05-21	l	Logo	lenovo.	

Product environmental attrib	utes - Market re	equirements (continued)	Requirement	met
Item				Yes No	n.a.
P9 Energy consumption	<u> </u>				
9.1 For the product the following The product is shipped	w/ WOL Enabled.		sumptions are rep	orted: See P14	
Energy mode *	Power level at 100 V AC	Power level a	Power level 230 V AC	at Reference / Standard for energy modes and test method *	
	W	W	W		
Category 0			-		
Short Idle State - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration (Pidle)	
Long Idle State - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration (P _{idle})	
Sleep (S3) - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration(P _{sleep})	
Sleep (S3) - WOL Disabled	W	W	W	Reference	
Off (S5) - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration(Poff)	
Off (S5) - WOL Disabled	W	W	W	Use for EuP	
Category I1					
Short Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration(P _{ShortIdle})	
Long Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration(P _{Longlidle})	
Sleep (S3) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{sleep})	
Sleep (S3) - WOL Disabled	W	W	W	Reference	
Off (S5) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled	W	W	W	Use for EuP	
Category I2					•
Short Idle State - WOL Enabled	31.08 W	30.93 W	31.40 W	Use for Energy Star V6.0 registration(P _{ShortIdle})	
Long Idle State - WOL Enabled	<i>30.18</i> W	29.92 W	29.45 W	Use for Energy Star V6.0 registration(P _{Longidile})	
Sleep (S3) - WOL Enabled	1.31 W	1.32 W	1.57 W	Use for Energy Star V6.0 registration (P _{sleep})	
Sleep (S3) - WOL Disabled	1.31 W	1.32 W	1.57 W	Reference	
Off (S5) - WOL Enabled	0.33 W	0.35 W	0.59 W	Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled	0.45 W	0.45 W	0.45 W	Use for EuP	
Category I3					
Short Idle State - WOL Enabled	31.56 W	31.72 W	32.85 W	Use for Energy Star V6.0 registration(P _{ShortIdle})	
Long Idle State - WOL Enabled	30.12 W	30.24 W	30.27 W	Use for Energy Star V6.0 registration(P _{Longldle})	
Sleep (S3) - WOL Enabled	1.32 W	1.32 W	1.57 W	Use for Energy Star V6.0 registration (P _{sleep})	
Sleep (S3) - WOL Disabled	1.31 W	1.32 W	1.57 W	Reference	
Off (S5) - WOL Enabled	0.35 W	<i>0.35</i> W	0.59 W	Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled	0.45 W	0.45 W	0.45 W	Use for EuP	
Category D1					
Short Idle State - WOL Enabled	38.50 W	<i>39.26</i> W	39.27 W	Use for Energy Star V6.0 registration(P _{ShortIdle})	
Long Idle State - WOL Enabled	<i>37.66</i> W	38.05 W	38.11 W	Use for Energy Star V6.0 registration(P _{Longlidle})	
Sleep (S3) - WOL Enabled	1.32 W	1.32 W	1.57 W	Use for Energy Star V6.0 registration (P _{sleep})	
Sleep (S3) - WOL Disabled	1.31 W	1.32 W	1.57 W	Reference	
Off (S5) - WOL Enabled	0.36 W	0.36 W	0.59 W	Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled	0.45 W	0.45 W	0.45 W	Use for EuP	
Category D2		·			
Short Idle State - WOL Enabled	41.78 W	42.53 W	42.22 W	Use for Energy Star V6.0 registration(P _{ShortIdle})	
Long Idle State - WOL Enabled	<i>37.09</i> W	36.82 W	39.26 W	Use for Energy Star V6.0 registration(P _{Longldle})	
Sleep (S3) - WOL Enabled	1.32 W	1.32 W	1.58 W	Use for Energy Star V6.0 registration (P _{sleep})	
Sleep (S3) - WOL Disabled	1.31 W	1.32 W	1.57 W	Reference	
Off (S5) - WOL Enabled	0.34 W	0.34 W	0.59 W	Use for Energy Star V6.0 registration (P _{off})	
Off (S5) - WOL Disabled	0.45 W	0.45 W	0.45 W	Use for EuP	

plugged i	load I power supply / charg in the wall outlet but ected from the produc		W	W			
TEC Typical E	Energy Consumption	kWh/week	kWh/week	kWh/week			
ETEC * Annual Energy Consumption		Cat I3: 138.30; CatD1:169.52; CatD2:178.75;	Cat 12: 136.10; Cat 13: 138.95; CatD1:172.37; CatD2:180.70; kWh/year	Cat 12:137.98; Cat 13:143.51; CatD1:173.49; CatD2:184.05; kWh/year	E _{TEC} = (8760/1000) x (P _{off} x 0.45 + P _{sleep} x 0.05 + P _{ShortIdle} x 0.35 + P _{LongIdle} x 0.15)		
		P _{off} : Off Mode(S5)) - WOL Enabled;	P _{sleep} : Sleep Mode(S	3) - WOL Enabled; P _{idle} : Idle State - WOL Enabled		
Display r	esolution : Megapix	els					
. ,							
Print Spe		Images per minute					
Default ti	ime to enter energy s	ave mode: 30 minutes					
P9.2*	Information about	the energy save funct	ion is provided w	ith the product.			
P9.3*		s the energy requirement version: 6.0 Product			ram/s:		
P10	Emissions						
		- Declared according to	o ISO 9296				
P10.1	Mode	Mode description		Declared A-weighted sound power level L_{WAd} (B	D		
	Idle	* HDD: Idle		* 4.1	31		
	Operation	HDD: Idic		* 4.1	31		
	Other mode						
	Measured according to: ISO7779 ECMA-74 Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)						
P10.2	The product meets	s the acoustic noise re	quirements of th	e following volunta	ry program/s:		

Model number *	IdeaCentre K450	MT: 90A1, 10121, 90A0, 10120	
Issue date *	2014-05-21	Logo lenovo	

Product 6	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):			\boxtimes
	Dust Ozone Styrene Benzene TVOC			
P10.5	Chemical emission requirements of the following voluntary program/s are met for :			\mathbb{X}
	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:			
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.	\boxtimes		
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.		\boxtimes	
P13	Packaging and documentation			
P13.1*	Product packaging material type(s): FORMTEXT Corrugated cardboard weight (kg): 1.57			
	Product packaging material type(s): EPE weight (kg): 0.575 Product packaging material type(s): weight (kg):			
	Product packaging material type(s): weight (kg):			
	Product packaging material type(s): weight (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 Representation.	d on sup n. The in	plier's format	
P9.1	Model 90A1, 10121, is ES(energy star) compliant;			

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

Lenovo ErP Lot3 Information Sheet

- PC / Notebook -

As required by 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 (ErP Lot3).

Products scope of this sheet:

Desktop computer, integrated desktop computer, and notebook computer

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

Commercial name	IdeaCentre K450	Logo	
Model Number	90A1, 10121, 90A0, 10120	_	
Issue Date	2014-05-21 Enov		
Additional information	Only 90A1, 10120 is Erp Lot3 Qualified, which is equipped with ES PSU.		

P7.1.1	Product environmental attrib	outes			
(d)	Year of manufacture:	Availible on product label			
(e)	E TEC value (kWh) and capal are disabled and if the systen display:	N/A			
(f)	E TEC value (kWh) and capal are enabled: Cat. B 140.78 Cat. D 141.27				
(g)	idle state power demand (Wat	39.29			
(h)	sleep mode power demand (W	1.61			
(i)	sleep mode with WOL enabled	1.61			
(j)	off mode power demand (Wat	0.60			
(k)	off mode with WOL enabled power demand (Watts) (where enabled);			0.60	
(I)	Internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (if applicable): 10% N/A 20% 83.96% 50% 86.11% 100% 83.04%				
(m)	External power supply efficien	N/A			
		0% 100% Avera	age ;		
(0)	or Level: The minimum number of loadi computers):	N/A			
(f)	Test parameters for measurer the electricity supply system, used for electrical testing: Test voltage in V and frequence Total harmonic distortion of the Information and documentation	circuits			
	Instrument	Range Used	Make and Model **		
	Туре	Or *** 1~280VAC;1~550HZ;1000V			
	AC Power Source	A.	NF;EC1000S; SN:9152124		
	Digital Watch	Full range	CASIO; HS-70W; SN:208Q08R		

		Powe	r Meter	0~600V;0~20A	YOKOGAWA;WT210;SN:91M94456 0		
		Hygrothe	ermograph	15~35°C/15~90%	testo; 608-H1,SN:1034895602		
	T	hermal a	nemometer	0~20m/s,-20~70°C	Testo;425;SN:02591883		
		Light M	easuring	1°;1-300cd/m²	Konica Minolta;LS-110;		
(p-1)	The efficie		nent methodolo	gy used to determine infor	mation mentioned in points (I) - internal	PSU	
				80 PLUS® Pro	gram		
(p-2)	The r	measuren	nent methodolo	gy used to determine inforn	nation mentioned in points (m) – external	PSU	
. ,	efficie	ency:			. , ,		
				N/A			
(p-3)	The r		nent methodolo	gy used to determine inform	mation mentioned in points (o) - loadingcy	/cles	
	Datter	103.		N/A			
(A)	Tl				an anathra ad in an aige and in the state of	l -	
(p-4)				y used to determine informati in the Product IT Eco Declara	on mentioned in maximum, idle, sleep, off mo ation:	ode	
				IEC 62301			
(q)	Sequ	ence of st	teps for achievin	g a stable condition with resp	ect to power demand::		
	Power on -> Wait 5 minutes -> Stable condition						
(r)	Desci	ription of I	how sleep and/o	r off mode was selected or pr	ogrammed:		
			Ве	egin menu -> Power -> Selec	ct sleep or off mode		
(s)	(s) Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:						
Control Panel->Power Options-> Change Settings-> Restore default settings for this plan							
(t)	(t) The duration of idle state condition before the computer automatically reaches sleep mode, or another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes): 30 minutes						
(u)	(u) The length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode (in minutes): 45 minutes						
(v)	The length of time before the display sleep mode is set to activate after user inactivity (in minutes):						
()	lf		41		and the second s		
(w)	Intorn	nation on	the energy-savi	ng potential of power manage	ement functionality:		
N/A							
(x)	User	informatio	on on how to ena	able the power management f	unctionality:		
Refer to User Guide							
Addition	n Notebo	ok Batter	ry Information:				
Yes	No	n/a	This notebook user.	computer is operated by batt	tery/ies that cannot be accessed and replace	ed by a non-professional	
			The battery	[ies] in this product ca	annot be easily replaced by users	themselves	
Additional information							
Addition		auon					