


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 *	<i>Lenovo</i>	Logo 
Company name *	<i>Lenovo</i>	
Contact information *	<i>Lenovo Global Environmental Affairs Alvin L. Carter 1009 Think Place Building 2 / 5J3 Morrisville, North Carolina 27560 alcarter@lenovo.com</i>	
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.html	
Additional information	<i>The latest version of this document can be found at http://www.lenovo.com/social_responsibility/us/en/datasheets_desktops.html</i>	

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 *	<i>Traditional Desktop</i>
Commercial name *	<i>Lenovo H535</i>
Model number *	<i>6284,10116,6285,10117</i>
Issue date *	<i>2014-06-03</i>
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	

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

Quality Control		Requirement met	
		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Model number *	Lenovo H535	MT:6284,10116,6285,10117
Issue date *	2014-06-03	Logo lenovo

Product environmental attributes - Legal requirements		Requirement 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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3-dibromopropyl)-phosphate (TRIS), Tris-(aziridiny)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Model number *	Lenovo H535	MT:6284,10116,6285,10117
Issue date *	2014-06-03	Logo lenovo

Product environmental attributes - Market requirements - Environmental conscious design		Requirement 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).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7 Design				
Disassembly, recycling				
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product lifetime				
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.9.	Spare parts are available after end of production for: 5 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.10	Service is available after end of production for: 5 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material and substance requirements				
P7.11*	Product cover/housing material type: Material type: >PC+ABS-FR(40)< Material type: Material type:			
P7.12	Electrical cable insulation materials of power cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Electrical cable insulation materials of signal cables are PVC free	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: >PC+ABS-FR(40)<	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input checked="" type="checkbox"/> , Other; chemical name:, CAS #: 26265-08-7 Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: FR(16)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.20	Of total plastic parts' weight >25g, recycled material content is 5% .			
P7.21	Of total plastic parts' weight >25g, biobased material content is 0% .			
P7.22	Light sources are free from mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P8 Batteries				
P8.1*	Battery chemical composition: Lithium manganese dioxide coin battery			<input type="checkbox"/>
P8.2	Batteries meet the requirements of the following voluntary program/s:			<input type="checkbox"/>

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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Product environmental attributes - Market requirements (continued)					Requirement met			
Item					Yes	No	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.					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Energy mode *	Power 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 *				
	W	W	W		<input checked="" type="checkbox"/>			
Category 0								
Short Idle State - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration (P _{idle})	<input type="checkbox"/>			
Long Idle State - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration (P _{idle})	<input type="checkbox"/>			
Sleep (S3) - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration (P _{sleep})	<input type="checkbox"/>			
Sleep (S3) - WOL Disabled	W	W	W	Reference	<input type="checkbox"/>			
Off (S5) - WOL Enabled	W	W	W	Use for ENERGY STAR V6 registration (P _{off})	<input type="checkbox"/>			
Off (S5) - WOL Disabled	W	W	W	Use for EuP	<input type="checkbox"/>			
Category 11								
Short Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{ShortIdle})	<input type="checkbox"/>			
Long Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{LongIdle})	<input type="checkbox"/>			
Sleep (S3) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{sleep})	<input type="checkbox"/>			
Sleep (S3) - WOL Disabled	W	W	W	Reference	<input type="checkbox"/>			
Off (S5) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{off})	<input type="checkbox"/>			
Off (S5) - WOL Disabled	W	W	W	Use for EuP	<input type="checkbox"/>			
Category 12								
Short Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{ShortIdle})	<input type="checkbox"/>			
Long Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{LongIdle})	<input type="checkbox"/>			
Sleep (S3) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{sleep})	<input type="checkbox"/>			
Sleep (S3) - WOL Disabled	W	W	W	Reference	<input type="checkbox"/>			
Off (S5) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{off})	<input type="checkbox"/>			
Off (S5) - WOL Disabled	W	W	W	Use for EuP	<input type="checkbox"/>			
Category 13								
Short Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{ShortIdle})	<input type="checkbox"/>			
Long Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{LongIdle})	<input type="checkbox"/>			
Sleep (S3) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{sleep})	<input type="checkbox"/>			
Sleep (S3) - WOL Disabled	W	W	W	Reference	<input type="checkbox"/>			
Off (S5) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{off})	<input type="checkbox"/>			
Off (S5) - WOL Disabled	W	W	W	Use for EuP	<input type="checkbox"/>			
Category D1								
Short Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{ShortIdle})	<input type="checkbox"/>			
Long Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{LongIdle})	<input type="checkbox"/>			
Sleep (S3) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{sleep})	<input type="checkbox"/>			
Sleep (S3) - WOL Disabled	W	W	W	Reference	<input type="checkbox"/>			
Off (S5) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{off})	<input type="checkbox"/>			
Off (S5) - WOL Disabled	W	W	W	Use for EuP	<input type="checkbox"/>			
Category D2								
Short Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{ShortIdle})	<input type="checkbox"/>			
Long Idle State - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{LongIdle})	<input type="checkbox"/>			
Sleep (S3) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{sleep})	<input type="checkbox"/>			
Sleep (S3) - WOL Disabled	W	W	W	Reference	<input type="checkbox"/>			
Off (S5) - WOL Enabled	W	W	W	Use for Energy Star V6.0 registration (P _{off})	<input type="checkbox"/>			
Off (S5) - WOL Disabled	W	W	W	Use for EuP	<input type="checkbox"/>			

EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	W	W	W		<input checked="" type="checkbox"/>
TEC Typical Energy Consumption	kWh/week	kWh/week	kWh/week		<input checked="" type="checkbox"/>
ETEC * Annual Energy Consumption	kWh/year	kWh/year	kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.45 + P_{sleep} \times 0.05 + P_{Shortidle} \times 0.35 + P_{Longidle} \times 0.15)$	<input checked="" type="checkbox"/>
P_{off} : Off Mode(S5) - WOL Enabled; P_{sleep} : Sleep Mode(S3) - WOL Enabled; P_{idle} : Idle State - WOL Enabled					
Display resolution : Megapixels					<input checked="" type="checkbox"/>
Print Speed : Images per minute					<input checked="" type="checkbox"/>
Default time to enter energy save mode: 30 minutes					<input type="checkbox"/>
P9.2* Information about the energy save function is provided with the product.					<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Product category: Others specify:					<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
P10 Emissions					
Noise emission – Declared according to ISO 9296					
P10.1	Mode	Mode description	Declared A-weighted sound power level L_{WAd} (B)	Declared A-weighted sound pressure level L_{pAm} (dB) Operator position <input checked="" type="checkbox"/> Desktop <input checked="" type="checkbox"/> or Desk side <input type="checkbox"/> Bystander positions <input type="checkbox"/> (only if product is not operator attended)	<input type="checkbox"/> <input type="checkbox"/>
	Idle	* System: Idle	* 3.6		
	CPU Loading	* Intel PTU tool	* 3.7		
	Operating(HDD)				
	CD accessing				
Measured according to: <input checked="" type="checkbox"/> ISO7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74 with L_{pAm} measurement distance m)					
P10.2	The product meets the acoustic noise requirements of the following voluntary program/s:				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Acoustical Noise Emission Values ^{(dB(A))}								
Machine Type	Description	Model	Product Value					
			L _{WAd} (bel)		L _{pAm} (dB)		<L _{pA} > _m (dB)	
			Idle	Oper	Idle	Oper	Idle	Oper
10116		CPU:AMD A10-5700						
10117		HDD:2TB						
6284	DT	PSU: 280W	3.6	3.7	26	27	23	24
6285		VGA: GT630						

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	<i>Lenovo H535</i>	Logo 
Model Number	<i>6284,10116,6285,10117</i>	
Issue Date	<i>2014-06-03</i>	
Additional information	<i>Only 6284,10116 is Erp Lot3 Qualified, which is equipped with ES PSU.</i>	

P7.1.1 Product environmental attributes										
(d)	Year of manufacture: <i>Available on product label</i>									
(e)	E TEC value (kWh) and capability adjustments applied when all discrete graphics cards (dGfx) are disabled and if the system is tested with switchable graphics mode with UMA driving the display: <i>N/A</i>									
(f)	E TEC value (kWh) and capability adjustments applied when all discrete graphics cards (dGfx) are enabled : Cat. B <i>131.10</i> Cat. C <i>131.77</i> Cat. D <i>133.63</i>									
(g)	idle state power demand (Watts); <i>36.53</i>									
(h)	sleep mode power demand (Watts); <i>2.35</i>									
(i)	sleep mode with WOL enabled power demand (Watts) (where enabled); <i>2.36</i>									
(j)	off mode power demand (Watts); <i>0.97</i>									
(k)	off mode with WOL enabled power demand (Watts) (where enabled); <i>0.98</i>									
(l)	Internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (if applicable): 10% 20% <i>83.96%</i> 50% <i>86.11%</i> 100% <i>83.04%</i>									
(m)	External power supply efficiency (if applicable): <i>N/A</i> 10% 20% 50% 100% Average ; or Level:									
(o)	The minimum number of loading cycles that the batteries can withstand (applies only to notebook computers): <i>N/A</i>									
(f)	Test parameters for measurements: — test voltage in V and frequency in Hz, — total harmonic distortion of the electricity supply system, — information and documentation on the instrumentation, set-up and circuits used for electrical testing: Test voltage in V and frequency in Hz <i>230V/50Hz</i> Total harmonic distortion of the electricity supply system $\leq 2\%$ Information and documentation on the instrumentation, set-up and circuits used for electrical testing <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Instrument Type</th> <th style="text-align: center;">Range Used Or ***</th> <th style="text-align: center;">Make and Model **</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">AC Power Source</td> <td style="text-align: center;">1~280VAC;1~550HZ;1000V A.</td> <td style="text-align: center;">NF;EC1000S; SN:9152124</td> </tr> <tr> <td style="text-align: center;">Digital Watch</td> <td style="text-align: center;">Full range</td> <td style="text-align: center;">CASIO; HS-70W; SN:208Q08R</td> </tr> </tbody> </table>	Instrument Type	Range Used Or ***	Make and Model **	AC Power Source	1~280VAC;1~550HZ;1000V A.	NF;EC1000S; SN:9152124	Digital Watch	Full range	CASIO; HS-70W; SN:208Q08R
Instrument Type	Range Used Or ***	Make and Model **								
AC Power Source	1~280VAC;1~550HZ;1000V A.	NF;EC1000S; SN:9152124								
Digital Watch	Full range	CASIO; HS-70W; SN:208Q08R								

	Power Meter	0~600V;0~20A	YOKOGAWA;WT210;SN:91M94456 0
	Hygrothermograph	15~35°C/15~90%	testo; 608-H1,SN:1034895602
	Thermal anemometer	0~20m/s,-20~70°C	Testo;425;SN:02591883
	Light Measuring	1° ;1-300cd/ m ²	Konica Minolta;LS-110;
(p-1)	The measurement methodology used to determine information mentioned in points (l) – internal PSU efficiency: 80 PLUS® Program		
(p-2)	The measurement methodology used to determine information mentioned in points (m) – external PSU efficiency: N/A		
(p-3)	The measurement methodology used to determine information mentioned in points (o) – loadingcycles batteries: N/A		
(p-4)	The measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode power as defined in Point P9.1 in the Product IT Eco Declaration: IEC 62301		
(q)	Sequence of steps for achieving a stable condition with respect to power demand:: Power on -> Wait 5 minutes ->Stable condition		
(r)	Description of how sleep and/or off mode was selected or programmed: Begin menu -> Power -> Select sleep or off mode		
(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)	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)	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):		15 minutes
(w)	Information on the energy-saving potential of power management functionality: N/A		
(x)	User information on how to enable the power management functionality: Refer to User Guide		
Addition Notebook Battery Information:			
Yes	No	n/a	This notebook computer is operated by battery/ies that cannot be accessed and replaced by a non-professional user. The battery[ies] in this product cannot be easily replaced by users themselves
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional information			