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## 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	
Company name *	Lenovo	
Contact information *	<i>Lenovo Global Environmental Affairs</i> <i>Alvin L. Carter</i> <i>1009 Think Place</i> <i>Building 2 / 5F1</i> <i>Morrisville, North Carolina 27560</i> <i>alcarter@lenovo.com</i>	
Internet site *	<a href="http://www.lenovo.com/social_responsibility/us/en/environment.html">http://www.lenovo.com/social_responsibility/us/en/environment.html</a>	
Additional information	<i>The latest version of this document can be found at</i> <a href="http://www.lenovo.com/social_responsibility/us/en/datasheets_notebooks.html">http://www.lenovo.com/social_responsibility/us/en/datasheets_notebooks.html</a>	

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>Notebook Computer</i>
Commercial name *	<i>Lenovo ideapad 700-15ISK, Lenovo XiaoXin 700-15ISK</i>
Model number *	<i>80RU,80SH</i>
Issue date *	<i>2015-12-12</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	
Item		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 <a href="http://www.itecodeclaration.org">www.itecodeclaration.org</a> ).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<b>Model number *</b>	<b>80RU,80SH</b>	<b>Logo</b>	<b>Lenovo</b>
<b>Issue date *</b>	<b>2015-12-12</b>		

<b>Product environmental attributes - Legal requirements</b>		<b>Requirement met</b>		
Item		Yes	No	n.a.
<b>P1</b>	<b>Hazardous substances and preparations</b>			
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-(aziridinyl)-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 <sup>2</sup> /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): <a href="http://www.lenovo.com/social_responsibility/us/en/materials.html">http://www.lenovo.com/social_responsibility/us/en/materials.html</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P2</b>	<b>Batteries</b>			
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"/>
<b>P3</b>	<b>Safety, EMC connection to the telephone network and labeling</b>			
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"/>
<b>P4</b>	<b>Consumable materials</b>			
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"/>
<b>P5</b>	<b>Product packaging</b>			
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 *	80RU,80SH	Logo	Lenovo
Issue date *	2015-12-12		

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.
<b>P6 Treatment information</b>				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P7 Design</b>				
<b>Disassembly, recycling</b>				
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 type="checkbox"/>	<input checked="" 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"/>
<b>Product lifetime</b>				
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input type="checkbox"/>	<input checked="" 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: <b>5</b> years			<input type="checkbox"/>
P7.10	Service is available after end of production for: <b>5</b> years			<input type="checkbox"/>
<b>Material and substance requirements</b>				
P7.11*	Product cover/housing material type: Material type: <b>PC+ABS-FR(40)</b> Material type: Material type:			
P7.12	Electrical cable insulation materials of power cables are PVC free.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.13	Electrical cable insulation materials of signal cables are PVC free	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: <b>FR(40)</b>	<input checked="" 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: <b>BISPHENOL A DIGLYCIDYL ETHER</b> , CAS #: <b>40039-93-8</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <b>Brominated Epoxy Resin See P14</b>	<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: <b>Polycarbonate</b> , CAS #: <b>25971-63-5</b> , Supplier: <b>Mitsubishi</b> 2. Chemical name: <b>Acrylonitrile-Butadiene-Styrene-Copolymer</b> , CAS #: <b>9003-56-9</b> , Supplier: <b>Mitsubishi</b> 3. Chemical name: <b>Natural Wollastonite</b> , CAS #: <b>13983-17-0</b> , Supplier: <b>Sabir</b> 4. Chemical name: <b>Talc</b> , CAS #: <b>14807-96-6</b> , Supplier: <b>Sabir</b> 5. Chemical name: <b>Titanium dioxide</b> , CAS #: <b>13463-67-7</b> , Supplier: <b>Sabir</b> 6. Chemical name: <b>CALCIUM METASILICATE</b> , CAS #: <b>13983-17-0</b> , Supplier: <b>Sabir</b> 7. Chemical name: <b>Carbon black</b> , CAS #: <b>1333-86-4</b> , Supplier: <b>Sabir</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: <b>FR(40)</b>	<input checked="" type="checkbox"/>	<input 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 <b>0%</b> .			
P7.21	Of total plastic parts' weight >25g, biobased material content is <b>0%</b> .			
P7.22	Light sources are free from mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<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.

	If mercury is used specify: Number of lamps: _____ and max. mercury content per lamp: _____ mg		
<b>P8</b>	<b>Batteries</b>		
P8.1*	Battery chemical composition: <i>Lithium Ion/Lithium Manganese Dioxide</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P8.2	Batteries meet the requirements of the following voluntary program/s: <i>US RBRC</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Issue date *	2015-12-12		

Product environmental attributes - Market requirements (continued)					Requirement met		
Item					Yes	No	n.a.
<b>P9 Energy consumption</b>							
9.1 For the product the following power levels or energy consumptions are reported: <a href="#">See P14</a>							
Energy mode *	Power level at <b>100</b> V AC	Power level at <b>115</b> V AC	Power level at <b>230</b> V AC	Reference / Standard for energy modes and test method *			<input type="checkbox"/>
<b>Peak (On-max)</b>	<b>135</b> W	<b>135</b> W	<b>135</b> W	<b>Full load</b>			<input checked="" type="checkbox"/>
<b>Category I1</b>							
<b>Short Idle State - WOL Enabled</b>	<b>9.552</b> W	<b>9.372</b> W	<b>9.72</b> W	<b>Use for ENERGY STAR V6 registration(<math>P_{idle}</math>)</b>			<input type="checkbox"/>
<b>Long Idle State - WOL Enabled</b>	<b>6.48</b> W	<b>6.36</b> W	<b>6.252</b> W	<b>Use for ENERGY STAR V6 registration(<math>P_{idle}</math>)</b>			<input type="checkbox"/>
<b>Sleep (S3) - WOL Enabled</b>	<b>0.492</b> W	<b>0.504</b> W	<b>0.528</b> W	<b>Reference</b>			<input type="checkbox"/>
<b>Off (S5) - WOL Enabled</b>	<b>0.252</b> W	<b>0.276</b> W	<b>0.3</b> W	<b>Use for EuP</b>			<input type="checkbox"/>
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	<b>0.091</b> W	<b>0.096</b> W	<b>0.149</b> W				<input type="checkbox"/>
PTEC * Typical Energy Consumption	W	W	W				<input checked="" type="checkbox"/>
TEC * Typical Energy Consumption	<b>0.631</b> kWh/week	<b>0.622</b> kWh/week	<b>0.640</b> kWh/week	<b>=<math>E_{TEC}/52</math></b>			<input type="checkbox"/>
ETEC * Annual Energy Consumption	<b>32.84</b> kWh/year	<b>32.35</b> kWh/year	<b>33.3</b> kWh/year	<b><math>E_{TEC} = (8760/1000) \times (P_{off} \times 0.25 + P_{sleep} \times 0.35 + P_{long\_idle} \times 0.10 + P_{short\_idle} \times 0.30)</math></b>			<input type="checkbox"/>
				<b><math>P_{off}</math>: Off Mode(S5) - WOL Enabled; <math>P_{sleep}</math>: Sleep Mode(S3) - WOL Enabled; <math>P_{idle}</math>: Idle State - WOL Enabled</b>			
Display resolution* :	<b>1920*1080</b> Megapixels						<input type="checkbox"/>
Print Speed* :	Images per minute						<input checked="" type="checkbox"/>
Default time to enter energy save mode:	<b>10</b> minutes						<input type="checkbox"/>
P9.2*	Information about the energy save function is provided with the product.				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3*	The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: <b>Version 6.1 dated Oct, 2014</b> Tier: Product category: <b>I1</b> Others specify:				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Product environmental attributes - Market requirements (continued)					Requirement met		
Item					Yes	No	n.a.
<b>P9 Energy consumption</b>							
9.1 For the product the following power levels or energy consumptions are reported: <a href="#">See P14</a>							
Energy mode *	Power level at <b>100</b> V AC	Power level at <b>115</b> V AC	Power level at <b>230</b> V AC	Reference / Standard for energy modes and test method *			<input type="checkbox"/>
<b>Peak (On-max)</b>	<b>135</b> W	<b>135</b> W	<b>135</b> W	<b>Full load</b>			<input checked="" type="checkbox"/>
<b>Category I3</b>							
<b>Short Idle State - WOL Enabled</b>	<b>9.888</b> W	<b>9.78</b> W	<b>10.104</b> W	<b>Use for ENERGY STAR V6 registration(<math>P_{idle}</math>)</b>			<input type="checkbox"/>
<b>Long Idle State - WOL Enabled</b>	<b>6.828</b> W	<b>6.888</b> W	<b>7.02</b> W	<b>Use for ENERGY STAR V6 registration(<math>P_{idle}</math>)</b>			<input type="checkbox"/>
<b>Sleep (S3) - WOL Enabled</b>	<b>0.516</b> W	<b>0.516</b> W	<b>0.552</b> W	<b>Reference</b>			<input type="checkbox"/>
<b>Off (S5) - WOL Enabled</b>	<b>0.264</b> W	<b>0.276</b> W	<b>0.3</b> W	<b>Use for EuP</b>			<input type="checkbox"/>
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	<b>0.091</b> W	<b>0.096</b> W	<b>0.149</b> W				<input type="checkbox"/>
PTEC * Typical Energy Consumption	W	W	W				<input checked="" type="checkbox"/>
TEC * Typical Energy Consumption	<b>0.656</b> kWh/week	<b>0.652</b> kWh/week	<b>0.674</b> kWh/week	<b>=<math>E_{TEC}/52</math></b>			<input type="checkbox"/>

ETEC * Annual Energy Consumption	34.13 kWh/year	33.92 kWh/year	35.05 kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.25 + P_{sleep} \times 0.35 + P_{long\_idle} \times 0.10 + P_{short\_idle} \times 0.30)$	<input type="checkbox"/>
P <sub>off</sub> : Off Mode(S5) - WOL Enabled; P <sub>sleep</sub> : Sleep Mode(S3) - WOL Enabled; P <sub>idle</sub> : Idle State - WOL Enabled					
Display resolution * : 1920*1080 Megapixels					<input type="checkbox"/>
Print Speed * : Images per minute					<input checked="" type="checkbox"/>
Default time to enter energy save mode: 10 minutes					<input type="checkbox"/>
P9.2* Information about the energy save function is provided with the product.					<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 6.1 dated Oct, 2014 Tier: Product category: I3 Others specify:					<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>P10 Emissions</b>					
<b>Noise emission – Declared according to ISO 9296</b>					
P10.1	Mode	Mode description	Declared A-weighted sound power level L <sub>WAd</sub> (B)	Declared A-weighted sound pressure level L <sub>pAm</sub> (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)
	Idle	* HDD: Idle	* 2.8	20	<input type="checkbox"/>
	Operation	* HDD: Operating	* 3.4	24	<input type="checkbox"/>
	Other mode				
	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 <sub>pAm</sub> 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 checked="" type="checkbox"/>

Model number *	80RU,80SH	Logo	Lenovo
Issue date *	2015-12-12		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.
<b>Chemical emissions from printing products</b>				
P10.3*	Test performed according to ECMA-328 (ISO/IEC 28360) standard <input type="checkbox"/> , other specify:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P10.4	Typical emission rate (print phase) is (mg/h): Dust      Ozone      Styrene      Benzene      TVOC			<input checked="" type="checkbox"/>
P10.5	Chemical emission requirements of the following voluntary program/s are met for : Dust <input type="checkbox"/> Ozone <input type="checkbox"/> Styrene <input type="checkbox"/> Benzene <input type="checkbox"/> TVOC <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Electromagnetic emissions</b>				
P10.6	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s: MPR-II(3 pin AC adapter only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P11 Consumable materials for printing products</b>				
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>P12 Ergonomics for computing products</b>				
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>P13 Packaging and documentation</b>				
P13.1*	Product packaging material type(s): CARTON weight (kg): 0.678 Product packaging material type(s): CUSHION(Include cardboard ) weight (kg): 0.268 Product packaging material type(s): Gift BOX weight (kg): 0.149			
P13.2*	Product plastic packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/>			<input type="checkbox"/>
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: %			<input type="checkbox"/>
<b>P14 Additional information (See Note B4)</b>				

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.

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**P9** See Energy Star Qualified Notebooks & Tablet Computers for the latest information:  
[http://www.energystar.gov/index.cfm?fuseaction=find\\_a\\_product.showProductGroup&pgw\\_code=CO](http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO)

## 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 ideapad 700-15ISK, Lenovo XiaoXin 700-15ISK</i>	
Model Number	<i>80RU,80SH</i>	
Issue Date	<i>2015-12-12</i>	
Additional information		

P7.1.1 Product environmental attributes	
(d)	year of manufacture: <i>2015</i>
(e)	<p><b>E TEC value</b> (kWh) per ErP Lot 3 Category and capability adjustments applied when <b>all discrete graphics cards (dGfx) are disabled</b> and if the system is tested with switchable graphics mode with UMA driving the display:</p> <p><b>Category (according to ErP Lot 3):</b> <i>NA</i>                      <b>Etec:</b> <i>NA</i></p>
(f)	<p><b>E TEC value</b> (kWh) per ErP Lot 3 Category and capability adjustments applied when <b>all discrete graphics cards (dGfx) are enabled</b>:</p> <p><b>Category (according to ErP Lot 3):</b> <i>B</i>                      <b>Etec:</b> <i>20.51</i></p>
(g)	idle state power demand (Watts); <i>7.02</i>
(h)	sleep mode power demand (Watts); <i>0.55</i>
(i)	sleep mode with WOL enabled power demand (Watts) (where enabled); <i>0.55</i>
(j)	off mode power demand (Watts); <i>0.3</i>
(k)	off mode with WOL enabled power demand (Watts) (where enabled); <i>0.3</i>
(l)	<p>internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (if applicable):</p> <p>10%      20%      50%      100%      Average</p>
(m)	<p>external power supply efficiency (if applicable):</p> <p>Average*: <i>135W:91.29%,89.88%</i></p>



*internal note: show values for all available external power supplies			
(o)	the minimum number of loading cycles that the batteries can withstand (applies only to notebook computers):		<b>300 cycles</b>
(p-1)	the measurement methodology used to determine information mentioned in points (l) – internal PSU efficiency:		<b>NA</b>
(p-2)	the measurement methodology used to determine information mentioned in points (m) – external PSU efficiency:		<b>Energy-star requirement by EPA 2.0</b>
(p-3)	the measurement methodology used to determine information mentioned in points (o) – loadingcycles batteries:		<b>IEC 61960 measurement methodology</b>
(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:		<b>IEC 62623 / IEC EN50564:2011 measurement methodology</b>
(q)	sequence of steps for achieving a stable condition with respect to power demand::		<b>IEC 62623 / IEC EN50564:2011 measurement methodology</b>
(r)	description of how sleep and/or off mode was selected or programmed:		<b>Based on user manual</b>
(s)	sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:		<b>Based on user manual</b>
(t)	the <b>duration of idle state condition before the computer automatically reaches sleep mode</b> , or another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes):		<b>30</b>
(u)	the <b>length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power</b> demand requirement than sleep mode (in minutes):		<b>NA</b>
(v)	the <b>length of time before the display sleep mode is set to activate</b> after user inactivity (in minutes):		<b>10</b>
(w)	information on the energy-saving potential of power management functionality:		<b>refer to user manual</b>
(x)	user information on how to enable the power management functionality:		<b>refer to user manual</b>
(z)	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:		<b>230V/50Hz, Total Harmonic Distortion &lt;2 %</b>
<b>Addition Notebook Battery Information:</b>			
Yes (Battery <b>not</b> user replaceable)	No (Battery user replaceable)	n/a	This notebook computer is operated by battery/ies that cannot be accessed and replaced by a non-professional user.  <b>The battery[ies] in this product cannot be easily replaced by users themselves</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Additional information</b>			

