

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 *	Idea	Logo			
Company name *	Lenovo				
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5F1 Morrisville, North Carolina 27560 alcarter@lenovo.com	lenovo.			
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environmen	t.html			
Additional information	The latest version of this document can be found at http://www.lenovo.com/social responsibility/us/en/datasheets notebooks.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 *	Notebook PC				
Commercial name *	Lenovo ideapad 110-14IBR				
Model number *	80T6;80UJ				
Issue date *	2016-03-10				
Intended market *	☑ Global Europe Asia, Pacific & Japan Americas Other				
Additional information					

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 control such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀	

Model number *	80T6;80UJ		
Issue date *	2016-03-10	Logo	lenovo.

Product	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,	\boxtimes		
	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).	\boxtimes		
	Comment: Legal reference has no maximum concentration value.			
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	\boxtimes		
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-			
	trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum			
D4 4*	concentration values.			
P1.4*	Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated	\boxtimes		
D4 5*	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	\boxtimes		
P1.6*	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference). Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS),		_	
P 1.6				\boxtimes
	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	$\overline{}$	$\overline{}$	\square
1 1.7	aromatic amines. (See legal reference and Note B1)		Ш	
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as	$\neg \neg$		\square
1 1.0	pentachlorophenol and derivatives (see legal reference).		Ш	
	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	X		
	microgram/cm²/week (see legal reference).		ш	ш
	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):	\boxtimes		
	http://www.lenovo.com/social_responsibility/us/en/materials.html		ш	
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains		П	$\overline{}$
1 2.1	more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be		Ш	ш
	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	\boxtimes		
	accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)		ш	
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the	X		
	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).		$\overline{\Box}$	$\overline{}$
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies	\overline{X}	∺	-
1 3.3	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).	\square		
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).	Ш		\boxtimes
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).			
		_ <u>_</u> _	Щ.	X
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the			\boxtimes
	product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these			
DC	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	\boxtimes		
DE 0*	hexavalent chromium by weight of these together.			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\boxtimes		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal	\boxtimes		
	Protocol (see legal reference).			
1	Comment: Legal reference has no maximum concentration values.			

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

Model number *	80T6;80UJ		
Issue date *	2016-03-10	Logo	lenovo.

**mandatory to fill in Additional information regarding each item may be found under P14.	Product	Product environmental attributes - Market requirements - Environmental conscious design R				
Information for recyclers/treatment facilities is available (see legal reference).						
Design Disasembly, recycling P7.1° Parts that have to be treated separately are easily separable P7.1° Parts that have to be treated separately are easily separable P7.2° Plastic materials in covers/housing have no surface coating.	P6	Treatment information				
Disassembly, recycling P7.1* Parts that have to be treated separately are easily separable P7.2* Plastic materials in covers/housing have no surface coating. 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). P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.8* Upgrading can be done e.g. with processor, memory, cards or drives P7.8* Upgrading can be done using commonly available tools P7.9* Spane parts are available after end of production for: 5 years P7.10 Service is available after end of production for: 5 years P7.11 Product cover/housing material type: Material and substance requirements P7.11* Product cover/housing material type: Material and substance requirements P7.12* Electrical cable insulation materials of signal cables are PVC free. P7.13* Electrical cable insulation materials of signal cables are PVC free 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 Note B2) P7.16* Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Branking: RR40 P7.17* All: 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components) >25g according ISO 1043-4: Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: Branking: RR40 P7.18* Alt: 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0:1%: Chemical specifications of flame retardants in printed circuit boards (without c	P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	\boxtimes			
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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). P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.8* Upgrading can be done using commonly available tools P7.9* Spare parts are available after end of production for: 5 years P7.10* Service is available after end of production for: 5 years P7.11* Product cover/housing material type: Material and substance requirements P7.12* Electrical cable insulation materials of power cables are PVC free. P7.13* Electrical cable insulation materials of signal cables are PVC free. 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 Note 82) P7.10* Alt .1* Chemical specifications of flame retardants in printed circuit boards >25g (without components): T8BPA (additive) , T8BPA (reactive) , Other; chemical name: , CAS #: Alt. 2* Chemical specifications of flame retardants in printed circuit boards >25g (without components):			<u> </u>	Щ	<u>Ц</u>	
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P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR(40) P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive)	P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See		\boxtimes		
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: **Brominated Epoxy Resin See P14** P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 4. It. 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 6.2%. P7.21 Clight sources are free from mercury If mercury is used the specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium lon/Lithium Manganese Dioxide		,				
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: **Brominated Epoxy Resin See P14* P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide		Marking: FR(40)				
Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: Brominated Epoxy Resin See P14 P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 4. 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 6.2%. P7.21 Of total plastic parts' weight >25g, recycled material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide	P7.17	Chemical specifications of flame retardants in printed circuit boards >25g (without components):				
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. 1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium lon/Lithium Manganese Dioxide		Chemical specifications of flame retardants in printed circuit boards (without components) >25g according				
1. Chemical name: , CAS #: 2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium lon/Lithium Manganese Dioxide	P7.18	Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%:				
2. Chemical name: , CAS #: 3. Chemical name: , CAS #: 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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium lon/Lithium Manganese Dioxide						
3. Chemical name: , CAS #: 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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium lon/Lithium Manganese Dioxide						
Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:		3. Chemical name: , CAS #:				
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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium lon/Lithium Manganese Dioxide						
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 6.2%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide		FR(40)				
P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury	P7.19					
P7.22 Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide						
If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide						
P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide	P7.22		\boxtimes			
P8.1* Battery chemical composition: <i>Lithium Ion/Lithium Manganese Dioxide</i>	P8					
	P8.2	Batteries meet the requirements of the following voluntary program/s: US RBRC			\dashv	

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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Seep Searety consumption	Product environmental attributes - Market requirements (continued) Requirement met						
9.1 For the product the following power levels or energy consumptions are reported: See P14 Energy mode* Power level at 100 VAC Power level at 115 VAC 230 VAC Reference / Standard for energy modes and test Power level at 100 VAC Power level at 115 VAC Power level at 1230 VAC Reference / Standard for energy modes and test Power level at 100 VAC Power level at 1230 VAC Power level at 100 VAC Po	Item Energy consumption					Yes No	n.a.
Energy mode * Power level at 100 V AC 115 V AC 230 V AC method * Peak (On-max) 45 W 45 W 45 W 45 W Full load	0,	wing power levels or	eneray consumpt	ions are reporte	d: See P14		
Peak (On-max)	·	Power level at	Power level at	Power level at	Reference / Standard for	energy modes and test	
Category I1 Short Idle State - WOL Enabled 7.36 W 7.30 W 7.48 W Use for ENERGY STAR V6 registration (P _{sea}) ☑ Long Idle State - WOL Enabled 6.04 W 6.01 W 6.15 W Use for ENERGY STAR V6 registration (P _{sea}) ☑ Sleep (S3) - WOL Enabled 0.41 W 0.41 W 0.43 W Use for ENERGY STAR V6 registration (P _{sea}) ☑ Off (S5) - WOL Disabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration (P _{cea}) ☑ Category D 1/2 Short Idle State - WOL Enabled W W Use for ENERGY STAR V6 registration (P _{cea}) ☑ Long Idle State - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{cea}) ☑ Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (P _{cea}) ☑ Sleep (S3) - WOL Enabled W W W W Reference ☑ Off (S5) - WOL Enabled W W W W Reference ☑ Off (S5) - WOL Enabled W W W W Seep or ENERGY STAR V6 registration (P _{cea}) ☑ Off (S5) - WOL Enabled W	Peak (On-may)						
Short Idle State - WOL Enabled 7.36 W 7.30 W 7.48 W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Enabled 0.41 W 0.41 W 0.43 W Use for ENERGY STAR V6 registration(P _{citol}) Sleep (S3) - WOL Disabled 0.41 W 0.41 W 0.43 W Use for ENERGY STAR V6 registration(P _{citol}) Sleep (S3) - WOL Disabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration(P _{citol}) Sleep (S3) - WOL Disabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration(P _{citol}) Sleep (S3) - WOL Disabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration(P _{citol}) Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Disabled W W W Sleep (S3) - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S3) - WOL Disabled W W W W Use for ENERGY STAR V6 registration (P _{citol}) Sleep (S4) - WOL Disabled W W W W Sleep (S6) - WOL Enabled Sleep (S6) - WOL Enab	•	40 11	70 11	40 11	7 dil Toda		
Silean S		7 36 W	7 30 W	7 48 W	Use for ENERGY STAR	V6 registration (P)	
Sleep (S3) - WOL Enabled 0.41 W 0.41 W 0.43 W Reference Off (S5) - WOL Disabled 0.41 W 0.41 W 0.41 W 0.43 W Reference Off (S5) - WOL Disabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration(P _{coll}) Category D 1/2 Short Idle State - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{coll}) Long Idle State - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{coll}) Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (P _{coll}) Sleep (S3) - WOL Disabled W W W Reference Off (S5) - WOL Enabled W W W Reference Off (S5) - WOL Enabled W W W Use for ENERGY STAR V6 registration (P _{coll}) Sleep (S3) - WOL Disabled W W W W Reference Off (S5) - WOL Disabled W W W W Use for ENERGY STAR V6 registration (P _{coll}) Sleep (S3) - WOL Disabled W W W W W Reference Off (S5) - WOL Enabled W W W W W Use for ENERGY STAR V6 registration (P _{coll}) Off (S5) - WOL Enabled W W W W W Use for ENERGY STAR V6 registration (P _{coll}) Off (S5) - WOL Enabled W W W W W Use for ENERGY STAR V6 registration (P _{coll}) Off (S5) - WOL Enabled W W W W W W Use for ENERGY STAR V6 registration (P _{coll}) Off (S5) - WOL Enabled W W W W W W W W Sleep (S3) - WOL Enabled W W W W W W W W W W W W W				-			
Sleep (S3) - WOL Disabled 0.41 W 0.41 W 0.43 W Reference Off (S5) - WOL Enabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration(P _{orf}) Category D 1/2 Short Idle State - WOL Enabled W W W W Use for ENERGY STAR V6 registration (P _{orf}) Category D 1/2 Short Idle State - WOL Enabled W W W W Use for ENERGY STAR V6 registration (P _{orf}) Sleep (S3) - WOL Disabled W W W W W Reference Off (S5) - WOL Disabled W W W W Reference Off (S5) - WOL Enabled W W W W Reference Off (S5) - WOL Disabled W W W W W Reference Off (S5) - WOL Disabled W W W W W Use for ENERGY STAR V6 registration (P _{orf}) Sleep (S3) - WOL Disabled W W W W Reference Off (S5) - WOL Disabled W W W W Use for ENERGY STAR V6 registration (P _{orf}) Off (S5) - WOL Disabled W W W W W Use for ENERGY STAR V6 registration (P _{orf}) Off (S5) - WOL Disabled W W W W W W W Use for ENERGY STAR V6 registration (P _{orf}) Off (S5) - WOL Disabled W W W W W W W W W Seforence Off (S5) - WOL Disabled W W W W W W W W W W W W W							
Off (S5) - WOL Enabled 0.17 W 0.16 W 0.19 W Use for ENERGY STAR V6 registration(Port) Off (S5) - WOL Disabled 0.17 W 0.16 W 0.19 W Use for EUP Category D 1/2 Short Idle State - WOL Enabled W W W Use for ENERGY STAR V6 registration (Postus) Long Idle State - WOL Enabled W W W Use for ENERGY STAR V6 registration (Postus) Sleep (S3) - WOL Enabled W W W Use for ENERGY STAR V6 registration (Postus) Sleep (S3) - WOL Disabled W W W Reference Off (S5) - WOL Enabled W W W Use for ENERGY STAR V6 registration (Postus) Sleep (S3) - WOL Disabled W W W Use for ENERGY STAR V6 registration (Postus) Off (S5) - WOL Enabled W W W Use for ENERGY STAR V6 registration(Postus) Off (S5) - WOL Disabled W W W Use for ENERGY STAR V6 registration(Postus) Off (S5) - WOL Disabled W W W Use for ENERGY STAR V6 registration(Postus) Off (S5) - WOL Disabled W W W Use for ENERGY STAR V6 registration(Postus) Off (S5) - WOL Disabled W W W W Use for EUP EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) W W W W W Use for ENERGY STAR V6 registration(Postus) EPTEC * Typical Energy Consumption KWh/week kWh/week kWh/week kWh/week ETEC * Typical Energy Consumption	,					- Sieep/	
Off (S5) - WOL Disabled O.17 W O.16 W O.19 W Use for EuP Category D 1/2						V6 registration(P)	
Category D 1/2 Short Idle State - WOL Enabled	` '					To region and river only	
Short Idle State - WOL Enabled				┸			
Sleep (S3) - WOL Enabled W W W Use for ENERGY STAR V6 registration (P_side)							
Sleep (S3) - WOL Enabled W W W Reference Sleep (S3) - WOL Disabled W W W W Reference Sleep (S5) - WOL Enabled W W W Use for ENERGY STAR V6 registration (Post of S5) - WOL Disabled W W W Use for ENERGY STAR V6 registration (Post of S5) - WOL Disabled W W W Use for EUP September Star of Star o						(1010)	┡
Sileep (S3) - WOL Disabled W W W Reference Disabled W W W Use for ENERGY STAR V6 registration(Post) Disabled W W W Use for EUP Disabled W W Use for EUP Disabled Disabled Disabled W W Use for EUP Disabled Disabl							
Off (S5) - WOL Enabled W W W Use for ENERGY STAR V6 registration(Post) Off (S5) - WOL Disabled W W W Use for EuP EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) W W W W Use for EuP I PTEC * Typical Energy Consumption KWh/week KWh/week KWh/week KWh/week ETEC * Annual Energy Consumption Z6.26 kWh/year	* * *					Vo registration (i sleep)	╀
Off (S5) - WOL Disabled W W W Use for EuP CEPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) PTEC * Typical Energy Consumption W W W W W W W W W W W W W W W W W W	,					V6 registration(P)	╁╬╢
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) PTEC * Typical Energy Consumption W W W W Typical Energy Consumption W Wh/week Wh/week Wh/week ETEC * Typical Energy Consumption ETEC * Typical Energy Consumption BETEC * Typical Energy Consumption ETEC * Typical En	• /					Vo registration (1 off)	+
(External power supply / charger plugged in the wall outlet but disconnected from the product.) PTEC * Typical Energy Consumption W W W	` '				Ose for Eur		片
TEC * Typical Energy Consumption kWh/week kWh/week kWh/week ETEC * Annual Energy Consumption 26.26 kWh/year 26.06 kWh/year kWh/year ETEC = (8760/1000) x (Poff x 0.25 + Polecy x 0.35 kWh/year kWh/year + Polecy k 0.34 Plong idle x 0.1) Poff: Off Mode(S5) - WOL Enabled; Polecy: Sleep Mode(S3) - WOL Enabled; Pidle: Idle State - WOL Enabled	(External power supply / charger plugged in the wall outlet but	0.070 \	0.070 W	0.073 **			
Typical Energy Consumption kWh/week kWh/week ETEC * Annual Energy Consumption 26.26 kWh/year 26.06 kWh/year 26.06 kWh/year 26.78 kWh/year ETEC = (8760/1000) x (Poff x 0.25 + Psleep x 0.35 + Psleep x 0.35) Poff: Off Mode(S5) - WOL Enabled; Psleep: Sleep Mode(S3) - WOL Enabled; Pidle: Idle State - WOL Enabled		W	W	W			
Annual Energy Consumption kWh/year kWh/year + P _{short idle} x 0.3+ P _{long idle} x 0.1) P _{off} : Off Mode(S5) - WOL Enabled; P _{sleep} : Sleep Mode(S3) - WOL Enabled; P _{idle} : Idle State - WOL Enabled		kWh/week	kWh/week	kWh/week			
		26.26 kWh/year					
Display resolution*: 1920*1080 Megapixels			WOL Enabled; P _{slee}	: Sleep Mode(\$3)	- WOL Enabled; P _{idle} : Idle S	tate - WOL Enabled	
Print Speed * : Images per minute							
Default time to enter energy save mode: 25 minutes							
P9.2* Information about the energy save function is provided with the product.				-			
P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 6.1 Tier: Product category: A Others specify:	ENERGY STAR® version				/s:		
P10 Emissions	P10 Emissions						
Noise emission – Declared according to ISO 9296 P10.1 Mode Mode description Declared Declared A-weighted			O 9296	Declared	Declared	A-weighted	
A-weighted sound pressure level I_{A-m} (dB)	Wode Wode	description		A-weighted	sound pressure		
Sourid power				•			-
Desktop Or Desk side (only if product is not				level L_{WAd} (Desktop 🗵	(only if product is not	
Idle * HDD:Idle * 2.7 18.5	Idle * HD	D:Idle		* 2.7			┨┌
Operation * HDD: Operating * 2.7 18.8							1 ∐ [
Other mode							╡
Measured according to: SO7779 ECMA-74	Measured according to:			EOMA 74	1		
P10.2 Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m) The product meets the acoustic noise requirements of the following voluntary program/s:	P10.2 The product meets the a					ce m)	

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	oduct environmental attributes - Market requirements (continued) Requirement met					
P9 Energy consumption					Yes No	n.a.
P9 Energy consumption9.1 For the product the follo	wing power levels or	energy consumpt	ions are reporte	d: See P14		
Energy mode *	Power level at		<u> </u>	Reference / Standard for method *	energy modes and test	
Peak (On-max)	45 W	45 W	45 W	Full load		
Category I2						
Short Idle State - WOL Enabled	7.51 W	7.55 W	7.79 W	Use for ENERGY STAR	V6 registration (Piate)	
Long Idle State - WOL Enabled	6.03 W	6.04 W	6.20 W	Use for ENERGY STAR		
Sleep (S3) - WOL Enabled	0.38 W	0.39 W	0.43 W	Use for ENERGY STAR	(1010)	
Sleep (S3) - WOL Disabled	0.38 W	0.39 W	0.43 W	Reference	Sieep)	
Off (S5) - WOL Enabled	0.16 W	0.17 W	0.20 W	Use for ENERGY STAR	V6 registration(P _{off})	
Off (S5) - WOL Disabled	0.16 W	0.17 W	0.20 W	Use for EuP		
Category D 1/2						
Short Idle State - WOL Enabled	W	W	W	Use for ENERGY STAR	V6 registration (P _{idle})	
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		
Sleep (S3) - WOL Disabled	W	W	W	Reference		H
Off (S5) - WOL Enabled	W	W	W	Use for ENERGY STAR	V6 registration(P _{off})	H
Off (S5) - WOL Disabled	W	W	W	Use for EuP		H
EPS No-load	0.076 W	0.078 W	0.079 W			H
(External power supply / charger plugged in the wall outlet but disconnected from the product.)						
PTEC * Typical Energy Consumption	W	W	W			
TEC * Typical Energy Consumption	kWh/week	kWh/week	kWh/week			
ETEC * Annual Energy Consumption	26.53 kWh/year	26.70 kWh/year	27.66 kWh/year	$E_{TEC} = (8760/1000) \times (P_o + P_{short idle} \times 0.3 + P_{long idle})$		
		WOL Enabled; P _{slee}	p: Sleep Mode(S3)	- WOL Enabled; P _{idle} : Idle S	State - WOL Enabled	
Display resolution*: 1920*1080 Me	gapixels					
Print Speed * : Images	per minute					
Default time to enter energy save m						
P9.2* Information about the er	<u> </u>	•	•			
P9.3* The product meets the e ENERGY STAR® version Others specify:			oluntary program category: <mark>A</mark>	/s:		
P10 Emissions						
Noise emission – Deck P10.1 Mode Mode	ared according to ISO description	O 9296	Declared	Declared	A-weighted	
1 10.1 Wode Wode	description		A-weighted	sound pressure	e level L_{pAm} (dB)	
			sound power	#	Bystander positions	
			level L_{WAd} (Desktop		
				or Desk side	(only if product is not operator attended)	
Idle * HD	D:Idle		* 2.7	1	18.5	
	D: Operating		* 2.7	1	18.8] 🗖
Other mode	M	= .				↓
Measured according to:		CMA-74	N ECMA_74 with	L _{pAm} measurement distar	nce m)	
P10.2 The product meets the a						

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Product	environn	nental attributes - Market requirements (continued)		Requ	ireme	nt met
Item		•		Ye	es No	n.a.
	Chemica	al emissions from printing products				
P10.3*		formed according to ECMA-328 (ISO/IEC 28360) standard , other specify:				
P10.4	Typical e	mission rate (print phase) is (mg/h):				
		Oust Ozone Styrene Benzene TVOC				
P10.5		I emission requirements of the following voluntary program/s are met for : Oust Ozone Styrene Benzene	TVOC 🗌			
	Electron	nagnetic emissions				
P10.6		er display meets the requirement for low frequency electromagnetic fields of the follows: MPR-II	wing volunta	ary		
P11		able materials for printing products				
P11.1*	A Safety	Data Sheet (SDS) is available for the ink/toner preparation, even if not legally requi	red (see P4.	3).		
P11.2*	Paper co EN1228	ontaining post-consumer recycled fibers can be used, provided that it meets the	e requireme	nts of		
P11.3*	2-sided (duplex) printing/copying is an integrated product function.				
P12	Ergonor	nics for computing products				
P12.1*	The disp	lay meets the ergonomic requirements of ISO 9241-307 for visual display technolog	ies.			
P12.2*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.				
P13	Packagi	ng and documentation				
P13.1*	Product Product	packaging material type(s): Corrugated Carton weight (kg): 0.295 packaging material type(s): Polyethylene Cushions weight (kg): 0.0485 packaging material type(s): Others weight (kg): 0.123				
P13.2*	Product	plastic packaging is free from PVC.				
P13.3*		nedia for user and product documentation (tick box): c 🔀, Paper 📐, Other 🗌				
P13.4*		r user and product documentation, please specify contained percentage of post-co	nsumer recy	cled		
P14		al information (See Note B4)				
	informati knowledg	supplier makes no representations, guarantees, assurances or warranties whether early concontained in this document. All information provided by supplier in this document ge available at the time of completion, and supplier shall have no obligation to updathere is approximate and provided for informational purposes only. See a Lenovo A on.	t is provided te such infor	based on s mation. The	upplier' inform	s ation
P9		rgy Star Qualified Notebooks & Tablet Computers for the latest information: vw.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup	&pgw_code	=CO		

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	Lenovo ideapad 110-14IBR	Logo
Model Number	80T6;80UJ	_
Issue Date	2016-03-10	lenovo.
Additional information		

P/	Product environmental attributes				
(d)	year of manufacture:	2014			
(e)	E TEC value (kWh) per ErP Lot 3 Category 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:				
	Category (according to ErP Lot 3): A Etec: 17.70				
f)	E TEC value (kWh) per ErP Lot 3 Category and capability adjustments applied when all discrete graphics cards (dGfx) are enabled:				
	Category (according to ErP Lot 3): NA Etec:				
(g)	idle state power demand (Watts);				
(h)	sleep mode power demand (Watts);	0.38			
(i)	sleep mode with WOL enabled power demand (Watts) (where enabled);				
(j)	off mode power demand (Watts);	0.20			
(k)	off mode with WOL enabled power demand (Watts) (where enabled);				
(1)	internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (if applicable):				
	10% 20% 50% 100% Average				
(m)	external power supply efficiency (if applicable):				
	Average 45W:88.40%;88.64%;88.53%;				
	*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):	300 cycles			
(p-1)	the measurement methodology used to determine information mentioned in points (I) – internal PSU efficiency:				
	, NA				
(p-2)	the measurement methodology used to determine information mentioned in points (m) – external PSU efficiency:				
	Energy-star requirement				
(p-3)	the measurement methodology used to determine information mentioned in points (o) – loadingcycles batteries:				
	IEC 61960 measurement methodology				

(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 6262	3 / IEC E	EN50564:2011 measurement methodology			
(q)	sequence of steps for achieving a stable condition with respect to power demand::						
		EC 62623	3 / IEC E	N50564:2011 measurement methodology			
(r)	description of how sleep and/or off mode was selected or programmed:						
				Based on user manual			
(s)	sequence of ever off mode:	ents required to re	ach the	mode where the equipment automatically changes to sleep and/or			
				Based on user manual			
(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):						
(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):						
(v)				mode is set to activate after user inactivity (in minutes):	10		
(w)				l of power management functionality:			
				Based on user manual			
(x)	user information	on how to enable	the pov	ver management functionality:			
				Based on user manual			
(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:						
		2:	30V/50H	Iz, Total Harmonic Distortion <2 %			
Addition No	tebook Battery	Information:					
Yes		No	n/a	This notebook computer is operated by battery/ies that cannot I	be accessed and		
(Battery replaceable)	not user	(Battery user replaceable)		replaced by a non-professional user. The battery[ies] in this product cannot be easily	replaced by		
				users themselves			
Additional i	nformation						