

Product environmental attributes - THE ECO DECLARATION

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable).

Additional information regarding each item may be found under P14.

Brand *	Lenovo	Logo		
Company name *	Lenovo			
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 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 Flex 2-15					
Model number *	20405; 80FK					
Issue date *	2015-01-16					
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 *	20405; 80FK		
Issue date *	2015-01-16	Logo	lenovo.

Product	roduct environmental attributes - Legal requirements					
Item	7 •	Yes	No	n.a.		
P1	Hazardous substances and preparations					
P1.1*	Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)					
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	\boxtimes				
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.					
P1.4*	Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	\boxtimes				
P1.5*	Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	\boxtimes				
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values.					
P1.7*	Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference and Note B1)			\boxtimes		
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values.					
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm²/week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998.					
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_responsibility/us/en/materials.html					
P2	Batteries					
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference)					
P2.2*	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)	\boxtimes				
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be "easily removable". (See legal reference)					
P3	Safety, EMC connection to the telephone network and labeling					
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	\boxtimes				
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	\boxtimes				
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (see legal reference).					
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	\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).					
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).			\boxtimes		
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).					
P5	Product packaging					
P5.1*	Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium and hexavalent chromium by weight of these together.					
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 Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.					

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

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Product	environmental attributes - Market requirements - Environmental conscious design Re	equire	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	\boxtimes		
P7	Design			
D7.4*	Disassembly, recycling			_
P7.1*	Parts that have to be treated separately are easily separable			<u> </u>
P7.2*	Plastic materials in covers/housing have no surface coating.	<u> </u>	\boxtimes	
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.	\boxtimes		
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	\boxtimes		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\boxtimes		
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\boxtimes		
P7.8*	Upgrading can be done using commonly available tools	\boxtimes		
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			
	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.		\boxtimes	
P7.13	Electrical cable insulation materials of signal cables are PVC free		\boxtimes	
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.	\boxtimes		
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2)		\boxtimes	
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4:			
P7.17	Marking: <i>FR(40)</i> Alt. 1			
F1.11	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)	\boxtimes		
P7.19	Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45,		П	Ħ
	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 5.9%.			
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	\boxtimes		Ш
P8	Batteries			
P8.1*	Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide			П
P8 2	Batteries meet the requirements of the following voluntary program/s: US RBRC			一一

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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	oduct environmental attributes - Market requirements (continued) Requirement									
P9 Energy consumption	•				Yes No	n.a.				
	llowing power levels or	eneray consump	tions are reporte	d: See P14						
Energy mode *					for energy modes and test					
Peak (On-max)	65 W	65 W	65 W	Full load						
Category I1										
Short Idle State - WOL Enabled	7.416 W	8.196 W	8.088 W	Use for ENERGY ST	TAR V6 registration (P _{idle})					
Long Idle State - WOL Enabled	4.572 W	4.524 W	4.776 W	Use for ENERGY ST	TAR V6 registration (P _{idle})					
Sleep (S3) - WOL Enabled	0.696 W	0.636 W	0.696 W	Use for ENERGY ST	TAR V6 registration(P _{sleep})					
Sleep (S3) - WOL Disabled	0.6370 W	0.6380 W	0.6860 W	Reference						
Off (S5) - WOL Enabled	0.228 W	0.168 W	0.228 W	Use for ENERGY ST	TAR V6 registration(P _{off})					
Off (S5) - WOL Disabled	0.228 W	0.168 W	0.228 W	Use for EuP						
Category D 1/2	- 1	•				.1				
Short Idle State - WOL Enabled	W	W	W	Use for ENERGY ST	TAR V6 registration (P _{idle})					
Long Idle State - WOL Enabled	W	W	W	Use for ENERGY ST	TAR V6 registration (P _{idle})					
Sleep (S3) - WOL Enabled	W	W	W	Use for ENERGY ST	TAR V6 registration (P _{sleep})					
Sleep (S3) - WOL Disabled	W	W	W	Reference						
Off (S5) - WOL Enabled	W	W	W	Use for ENERGY ST	TAR V6 registration(P _{off})					
Off (S5) - WOL Disabled	W	W	W	Use for EuP						
EPS No-load	0.030 W	0.030 W	0.090 W							
(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	26.13 kWh/year	27.82 kWh/year	28.07 kWh/year	$E_{TEC} = (8760/1000) x + P_{short idle} \times 0.3 + P_{lon}$	$(P_{off} \times 0.25 + P_{sleep} \times 0.35)$					
		WOL Enabled; P _{slee}	p: Sleep Mode(S3)	- WOL Enabled; P _{idle} : Id	dle State - WOL Enabled					
Display resolution*: 1366*768 N										
•	ages per minute									
Default time to enter energy save			-							
	energy save function i	•	•	,						
	e energy requirements rsion: <i>Version 6.0</i> Tie		uct category: B	'S :	X A	Н				
P10 Emissions										
	eclared according to ISI de description	O 9296	Declared	Decla	ared A-weighted					
I I I I I I I I I I I I I I I I I I I	ao accomption		A-weighted	sound press	sure level L_{pAm} (dB)					
			sound power			-				
			level L_{WAd} (Desktop						
				or Desk side	(only if product is not operator attended)					
	HDD:Idle		* 2.9		21					
I	HDD: Operating		* 2.9		21	$\perp \Box$				
Other mode Measured according	to: 🔀 ISO7779 🔲 EO	CMA-74				-				
ivicasureu according			d by ECMA-74 w	ith L _{pAm} measurement	distance m)					
P10.2 The product meets th										

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	oduct environmental attributes - Market requirements (continued) Requirement							
Item P9	Energy consump	tion				Yes	No	n.a.
		e following power levels or	energy consumpt	ions are reporte	d: See P14			
Energy mod		Power level at	Power level at			/ Standard for energy modes a	nd test	
Peak (On-n	navl	100 V AC	115 V AC	65 W	Full load	1		
Category		00 11	00 11	00 11	T dil Toda			
	<u> 12</u> State - WOL Enabl	led 7.836 W	8.064 W	8.340 W	Use for EN	NERGY STAR V6 registration	(D)	
	State - WOL Enabl		4.572 W	5.628 W		NERGY STAR V6 registration		
	- WOL Enabled	0.696 W	0.684 W	0.732 W		VERGY STAR V6 registration(
	- WOL Disabled	0.6370 W	0.6380 W	0.6890 W	Reference		Sleep/	
	VOL Enabled	0.168 W	0.168 W	0.228 W		· NERGY STAR V6 registration(P)	
	VOL Disabled	0.168 W	0.168 W	0.228 W	Use for Eu		off/	
Category		0.700 **	0.700 11	0.220 11	030 101 20	41		
	State - WOL Enabl	led W	W	W	Use for FN	NERGY STAR V6 registration	(P)	
	State - WOL Enabl		W	W		NERGY STAR V6 registration		┡
	- WOL Enabled	W	W	W		NERGY STAR V6 registration		\vdash
	- WOL Disabled	W	W	W	Reference		(Fsleep)	╫
	VOL Enabled	W	W	W		· NERGY STAR V6 registration(D 1	╫
	VOL Enabled VOL Disabled	W	W	W	Use for Eu		Coff)	╀
EPS No-loa		0.030 W	0.030 W	0.090 W	USE IUI EU	<i>I</i> F		╀
	ower supply / charg		0.030 VV	0.090 W				
plugged in t	he wall outlet but							
disconnecte	ed from the product	.)						
PTEC *		W	W	W				
Typical Ene	ergy Consumption							
TEC *								+
Typical Ene	rgy Consumption	kWh/week	kWh/week	kWh/week				
ETEC *		27.23 kWh/year	27.66	29.59	E - (976	60/1000) x (P _{off} x 0.25 + P _{sleep} x	0.25	
-	rgy Consumption	27.23 KWII/yeai	kWh/year	kWh/year		$\times 0.3+ P_{long\ idle} \times 0.1$	0.55	
Display reso	olution* : 1366*76		WOL Enabled; P _{slee}	_p : Sleep Mode(S3)	- WOL Enab	led; P _{idle} : Idle State - WOL Enable	ed	\vdash
Print Speed								
		Images per minute						
		ive mode: 25 minutes the energy save function is	s provided with the	product				┸╬
		the energy requirements	•	-	le:		Ш	
		version: Version 6.0 Tie		ict category:	· 5.		П	П
	Emissions							
	Noise emission -	Declared according to IS	O 9296			Davies 14 1111		
P10.1	Mode	Mode description		Declared A-weighted	, l	Declared A-weighted ound pressure level $L_{p{ m Am}}$ (dB	:1	
				sound power	er			4
				level L_{WAd}	B) Operate	or position Bystander po) SILIOIIS	
					or	Desk side (only if produc		
	Idle *	HDD:Idle		* 2.9	-	operator att	ended)	1
l I	Operation '	HDD: Operating		* 2.9		21		1 🗂
l	Other mode]
	Measured according		MA-74					
P10.2	The product most					asurement distance m)		<u> </u>
I ⁻ 1U.Z	P10.2 The product meets the acoustic noise requirements of the following voluntary program/s:							

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	ronmental attribu	ites - Market requ	irements (cont	inued)		Requirement mo	
							n.a.
P9 Energy consumption 9.1 For the product the following power levels or energy consumptions are reported: See P14							
Energy mode *	,				Refe	erence / Standard for energy modes and tes	t 🔲
Peak (On-max)		65 W	65 W	65 W		ull load	
Category I3							
	e - WOL Enabled	7.716 W	7.224 W	7.956 W	Use	e for ENERGY STAR V6 registration (P _{idle})	
Long Idle State	e - WOL Enabled	4.896 W	4.572 W	4.992 W		e for ENERGY STAR V6 registration (P _{idle})	
Sleep (S3) - WC	OL Enabled	0.600 W	0.588 W	0.660 W	Use	e for ENERGY STAR V6 registration(P _{sleep})	
Sleep (S3) - WC	OL Disabled	0.6290 W	0.6330 W	0.6740 W	Refe	erence	
Off (S5) - WOL	Enabled	0.168 W	0.168 W	0.228 W	Use	e for ENERGY STAR V6 registration(P _{off})	
Off (S5) - WOL	Disabled	0.168 W	0.168 W	0.228 W	Use	e for EuP	
Category D	1/2	1	•	1			
Short Idle State	e - WOL Enabled	W	W	W	Use	e for ENERGY STAR V6 registration (P _{idle})	
Long Idle State	e - WOL Enabled	W	W	W	Use	e for ENERGY STAR V6 registration (P _{idle})	
Sleep (S3) - WC	OL Enabled	W	W	W	Use	e for ENERGY STAR V6 registration (P _{sleep})	
Sleep (S3) - WC	OL Disabled	W	W	W	Refe	erence	
Off (S5) - WOL	Enabled	W	W	W	Use	e for ENERGY STAR V6 registration(P _{off})	
Off (S5) - WOL	Disabled	W	W	W	Use	e for EuP	
EPS No-load		0.030 W	0.030 W	0.090 W			
(External power plugged in the w disconnected from							
PTEC * Typical Energy Consumption		W	W	W			
TEC * Typical Energy Consumption		kWh/week	kWh/week	kWh/week			
ETEC * Annual Energy Consumption		26.77 kWh/year	25.16 kWh/year	27.80 kWh/year		$_{\rm C}$ = (8760/1000) x ($P_{\rm off}$ x 0.25 + $P_{\rm sleep}$ x 0.35 short idle x 0.3+ $P_{\rm long}$ idle x 0.1)	
		P _{off} : Off Mode(S5) -	l WOL Enabled; P _{slee}	Sleep Mode(S3)) - WO	DL Enabled; P _{idle} : Idle State - WOL Enabled	
Display resolution	on* : 1366*768 Meg	gapixels					
Print Speed *	: Imag	es per minute					
Default time to e	enter energy save m	ode: 25 minutes					
P9.2* Info	rmation about the er	nergy save function is	s provided with the	e product.			
ENE	P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 6.0 Tier: Product category: B Others specify:						
P10 Emi	issions						
		ared according to ISO description	O 9296	Declared		Declared A-weighted	
I TO. I IVIOU	1 Mode Mode description		A-weighted	d	sound pressure level $L_{p{\sf Am}}$ (dB)		
				sound power		Operator position Bystander position	3
				level L_{WAd}	(2)	Desktop (copy if product is no]
						operator attended	
Idle		DD:Idle		* 2.9	_	21	4 📮
· ·	eration * HE er mode	DD: Operating		* 2.9	-	21	\dashv \sqcup
l ———	Measured according to: ISO7779 ECMA-74						
	Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)						
P10.2 The	product meets the	acoustic noise require	ements of the follo	wing voluntary p	orogra	am/s:	

wouel nu	mber *	20405; 80FK					
Issue date *		2015-01-16 Logo		lenovo			
Product	environr	nental attributes - Market requirements (continued)	R	equire	men	t me	
Item		•		Yes	No	n.a	
	Chemic	al emissions from printing products					
P10.3*	Test per	formed according to ECMA-328 (ISO/IEC 28360) standard, other specify:				\times	
P10.4	Typical 6	emission rate (print phase) is (mg/h):				X	
		Dust Ozone Styrene Benzene TVOC					
P10.5		al emission requirements of the following voluntary program/s are met for : Oust Ozone Styrene Benzene TVOC				\boxtimes	
	Electron	magnetic emissions					
P10.6	Compute	er display meets the requirement for low frequency electromagnetic fields of the following volun /s: MPR-II	tary				
P11		nable materials for printing products					
P11.1*	A Safety	Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4	4.3).			\boxtimes	
P11.2*	Paper c EN1228	ontaining post-consumer recycled fibers can be used, provided that it meets the requirem 1.	ents of			\boxtimes	
P11.3*	2-sided	(duplex) printing/copying is an integrated product function.				X	
P12	Ergonoi	mics for computing products					
P12.1*	The disp	play meets the ergonomic requirements of ISO 9241-307 for visual display technologies.		\boxtimes			
P12.2*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.					
P13	Packagi	ing and documentation					
P13.1*	Product Product	packaging material type(s): Corrugated Carton weight (kg): 0.337 packaging material type(s): Polyethylene Cushions weight (kg): 0.060 packaging material type(s): Others weight (kg): 0.123					
P13.2*	Product	plastic packaging is free from PVC.		\boxtimes			
P13.3*		media for user and product documentation (tick box): ic ⊠, Paper ⊠, Other □					
P13.4*		er user and product documentation, please specify contained percentage of post-consumer rec	ycled				
P14		nal information (See Note B4)					
	informati knowled	Supplier makes no representations, guarantees, assurances or warranties whether express or in contained in this document. All information provided by supplier in this document is provided ge available at the time of completion, and supplier shall have no obligation to update such informational purposes only. See a Lenovo Account Reption.	d based ormation.	on support on the interest of	olier's forma		
P9	See Ene	ergy Star Qualified Notebooks & Tablet Computers for the latest information: ww.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_coo	le=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 Flex 2-15	Logo
Model Number	20405, 80FK	_
Issue Date	2015-01-16	lenovo.
Additional information		

1.1.1	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: 14.58							
(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): B Etec: 14.90							
(g)	idle state power demand (Watts);	4.99						
(h)	sleep mode power demand (Watts);	0.66						
(i)	sleep mode with WOL enabled power demand (Watts) (where enabled);	NA						
(j)	off mode power demand (Watts);	0.23						
(k)	off mode with WOL enabled power demand (Watts) (where enabled);							
(l)	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: 87.58%,87.60%,88.32%; 65W:89.04%,89.92%,89.18%;							
	*internal note: show values for all available external power supplies							
(0)	the minimum number of loading cycles that the batteries can withstand (applies only to notebook computers):							
(p-1)	the measurement methodology used to determine information mentioned in points (I) – internal PSU efficiency:							
	NA 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:							
(p-4)	IEC 61960 measurement methodology the measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode							
(P-4)	power as defined in Point P9.1 in the Product IT Eco Declaration:							

			EI	nergy-star requirement		
(q)	sequence	of steps for achievin	ng a stable cor	ndition with respect to power demand::		
			E	Based on user manual		
(r)	description of how sleep and/or off mode was selected or programmed:					
			E	Based on user manual		
(s)	sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:					
			E	Based on user manual		
(t)				e computer automatically reaches sleep mode, or another able power demand requirements for sleep mode (in minutes):	25	
(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)				node is set to activate after user inactivity (in minutes):	10	
(w)				f power management functionality:		
				Based on user manual		
(x)	user inform	nation on how to ena	able the powe	r management functionality:		
			E	Based on user manual		
(z)	(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:					
			230V/50Hz,	Total Harmonic Distortion <2 %		
Addition N	otebook Ba	ttery Information:				
Yes		No	n/a	This notebook computer is operated by battery/ies that cannot replaced by a non-professional user.	be accessed and	
(Battery replaceable		ser (Battery replaceable)	user	The battery[ies] in this product cannot be easilusers themselves	y replaced by	
				users themselves		
Additional	information	1				