

ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2015)

Annex B2 - Product environmental attributes Notebooks and Tablets

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	Lenovo	Logo
Company name *	Lenovo	
Contact information *	Lenovo Global Environmental Affairs	
e-mail address	Alvin L Carter	Lenovo
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Additional information	The latest version of this document can be found at:	
	http://www.lenovo.com/ecodeclaration	

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					
Commercial name *	Lenovo Legion 7 16ITHg6					
Model number *	82K6					
Issue date *	2021-5-19					
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.

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:

P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed

P10.2 - P10.3 Chemical emissions from printing products

P11.1 - P11.3 Consumable materials for printing products.

Model nu	ımber *	82K6	Logo	Long		
Issue dat	te *	2021-5-19		Lend		
Product	environ	mental attributes - Legal requirements		Require	men	t met
Item				Yes	No	n.a.
P1		ous substances and preparations				
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	E B1)	\boxtimes		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.		\boxtimes		
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no m ration values.				
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych /l (PCT) in preparations (see legal reference).	lorinated	\boxtimes		
P1.5*	Products	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carl ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	bon atoms in th			
P1.6*	(see leg	th direct and prolonged skin contact do not release nickel in concentrations above 0 al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.),5 μg/cm²/weel	k 🔀		
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	contact):	\boxtimes		
P2	Batterie	S				
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with t Information on proper disposal is provided in user manual. (See legal reference)	the disposal	\boxtimes		
P2.2*	Batteries referenc	s or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadm e)	nium. (See lega	ıl 🖂		
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)		\square		
P3	Conform	nity verification & Eco design (ErP)				
P3.1*	The proo	duct is CE-marked to show conformance with applicable legal requirements (see leg	gal reference). mail address	s):		
P3.2*		luct complies with the Eco design requirements for energy-related products, al reference).		\boxtimes		
	· ·	d information is; available at (add URL):		\square		
	https://v	www.lenovo.com/us/en/compliance/eco-declaration				
P5	Product	packaging				
P5.1*		ng and packaging components do not contain more than 0,01% lead, mercury ant chromium by weight of these together.	y, cadmium ar	nd 🔀		
P5.2*	The pac	kaging materials are marked with abbreviations and numbers indicating the nature (ee legal reference).	of the material(s) 🔀		
P5.3*	The proc (see leg	tuct packaging material is free from ozone depleting substances as specified in the N al reference). nt: Legal reference has no maximum concentration values.	Iontreal Protoc	ol 🔀		
P6		nt information				
P6.1*		on for recyclers/treatment facilities is available (see legal reference).				

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model nu	umber *	82K6	Logo			
Issue da	te *	2021-5-19		Len	ovo)
Product	t environ	mental attributes - Market requirements (See General NOTE GN	below)			
		onmental conscious design	F	lequire	ment	met
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.
P7		Disassembly, recycling				_
P7.1*		at have to be treated separately are easily separable				
P7.2*		naterials in covers/housing have no surface coating.				
P7.3*	-	arts > 100 g consist of one material or of easily separable materials.				
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.				
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	available tools.	\square		
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).		\square		
		lifetime				
P7.7*		ng can be done e.g. with processor, memory, cards or drives				
P7.8*	10	ng can be done using commonly available tools		\square		
P7.9	Spare pa	arts are available after end of production for: 3 years				
P7.10	Service i	is available after end of production for: 3 years				
		and substance requirements				
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum):				
D7 40		type: PC+ABS Material type: Magnesium/aluminum n materials of external electrical cables are PVC free.				
P7.12				<u> </u>		Ц.
P7.13		n materials of internal electrical cables are PVC free.				
P7.14	External	plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bi 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame	romine and 0,1%	\bowtie		
		I chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine ir				
		an 25% post-consumer recycled content.	i parte containing			
P7.15		circuit boards, PCBs (without components) are low halogen: all ⊠ PCBs > 25 g ed in IEC 61249-2-21. (See 1NOTE B2)	are low halogen		\square	
P7.16		etarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:				
P7.17		Chemical specifications of flame retardants in printed circuit boards > 25 g (witho	out components):			
	TBBPA ((additive), TBBPA (reactive) (See NOTE B3), Other: , CAS #:				
		hemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4: <i>FR(16</i>)	ents) > 25 g	\square		
		g 100 1040-4. M(10)				
P7.18		retarded plastic parts >25g contain the following flame retardant substances	s/preparations in			
		rations above 0.1%:				
		ent: No legal limits exist, this is a market requirement.				
		ical name: CAS #: ical name: CAS #:				
		ical name: CAS #:				
		ical name: , CAS #:		_	_	_
	Alt. 2			\boxtimes		
	Chemica FR(40)	al specifications of flame retardants in plastic parts >25g according ISO 1043-4:				
P7.19		parts > 25 g, flame retardant substances/preparations above 0,1% are used which	have been	\square		
1 7.10		the following Risk phrases; and Hazard statements: H411; H413	nave been			
	•	rce(s) for these classifications is/are found at (add URL(s)): European Coun	cil Directive			
	67/548/E					
P7.20*		sumer recycled plastic material content is used in the product (See Note B6):			\square	
	If YES; a	at least one of the two alternatives below shall be answered;			~	_
		total plastic parts' weight > 25 g, the postconsumer recycled plastic material conten ercentage of total plastic by weight) is 0%.	t (calculated as			
	or a pe					
		e weight of recycled material is g.				

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	82K6	Logo	Lenovo		
Issue date *	2021-5-19				
Product environmental attributes - Market requirements (continued) Requirement met					

Item

Requirement met Yes No n.a.

Material and substance requirements (continued) P7.21 Biobased plastic material content is used in the product (See NOTE B7): \square If YES; at least one of the two alternatives below shall be answered; Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of a) total plastic by weight) is % or b) The weight of the biobased plastic material is g P7.22* Light sources are free from mercury, i.e. less than 0,1 mg/lamp. \boxtimes If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mq **P8** Batteries P8.1 Battery chemical composition: LI-ION Polymer battery and lithium-metal battery **P9** Energy consumption (See NOTE B8) P9.1 For the product the following power levels or energy consumptions are reported: Energy mode Power level at Power level at Power level at Reference/Standard for energy 100 V AC 115 V AC 230 V AC modes and test method Peak (On-max) 300 W 300 W 300\// Full load **Category 2** Short Idle State - WOL 29.60 W 29.35 W 30.52 W Energy Star V8.0 Enabled Long Idle State - WOL 4.54 W 4.80 W 5.45 W Energy Star V8.0 Enabled Sleep (S3) - WOL Enabled 0.62 W 0.64 W 0.67 W Energy Star V8.0 Off (S5) - WOL Enabled / 0.37 W 0.38 W 0.38 W Energy Star V8.0, Use for ErP Disabled EPS No-load 0.113 W 0.114 W 0.115W (External power supply / charger plugged in the wall outlet but disconnected from the product.) PTEC W W W \mathbf{X} Typical Energy Consumption 84.48 kWh/year 84.13 kWh/year 87.87 kWh/year ETEC = (8760/1000) x (Poff x 0.25 ETEC Annual Energy Consumption + P_{sleep} x 0.35 + P_{long_ldle} x 0.10+ P_{short_Idle} x 0.30) Poff: Off Mode(S5) - WOL Enabled; Psleep: Sleep Mode(S3) - WOL Enabled; Pidle: Idle State - WOL Enabled External Power Supply Efficiency Level (International Efficiency Marking Protocol) * : VI Display resolution * :4.096 megapixels Default time to enter energy save mode: 10 minutes P9.2 Information about the energy save function is provided with the product. Х P9.3 Energy efficiency class (monitors only): P10 Emissions Noise emission - Declared according to ISO 9296 (See NOTE B9) P10.1 Mode Mode description Statistical upper limit A-weighted sound power level, LwA, (B) Idle * Idle (Operating) * 3 * HDD:Operation Operation NA(No HDD) CPU:Operation Declared A-weighted sound pressure level (dB) L_{pAm} Other mode 21.1 (operator position desktop - idle) Declared A-weighted sound pressure level (dB) L_{pAm} Other mode 44.8 (operator position desktop – operating) Measured according to: X ISO 7779 ECMA-74 Other (only if not covered by ECMA-74)

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B9 A Guidance document on Acoustic Noise is available; see <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>

Model nu	mber *	82K6				Logo			
lssue dat	:e *	2021-5-19				-	Leno	VO	н
Product	environr	nental attribu	tes - Market requirement	ts (continued)			Require	ment	met
Item							Yes	No	n.a.
		nagnetic emiss							
P10.4	program	(s): MPR-II(3 pi	the requirement for low frequence of the second s	ency electromagnet	ic fields of the fol	lowing volun	tary 🔀		
P12		nics for compu							
P12.1*	-	•	gonomic requirements of ISC			gies.	\square		
P12.2*	The phy	sical input devic	e meets the requirements of I	SO 9995 and ISO 92	241-410.		\square		
P13	Packagi	ng and docum	entation						
P13.1*	Product Product Product	packaging mate packaging mate packaging mate	rial type(s): <i>paper(manual)</i> rial type(s): <i>PP</i> weight (kg): (rial type(s): <i>PE</i> weight (kg): (0.42				
P13.2*	Product	plastic primary p	ackaging is free from PVC.				\boxtimes		
P13.3*			rugated fiberboard packagin er content: 100 %	g, specify the conta	ained percentage	e of minimun	n post-		
P13.4*	Specify	media for user a ic 🔀, Paper 🔀	nd product documentation (tie	ck box):					
P13.5	Úser and		is item if paper documentatic entation on paper media is c				\boxtimes		
	Element	hlorine-free al chlorine-free ed chlorine-free							
P14	Volunta	ry programs							
P14.1	The proc	duct meets the re	equirements of the following v	voluntary program(s)	:				
	Eco-labe Eco-labe	el:	Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product	category: category: category:			
P15			(See NOTE B10)						
P9			f specific configuration ma						
	informat knowled	ion contained in ge available at t l here is approxi	to representations, guarantee this document. All information the time of completion, and su mate and provided for informa	n provided by supplie pplier shall have no	er in this docume obligation to upda	nt is provideo ate such info	based on supprised based on supprised and the superior of the	olier's format	ion
P9			d Notebooks & Tablet Comp ps://www.energystar.gov/proc						

NOTE B10 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 B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1

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 *	Legion 7 16ITHg6	Logo		
Model number *	82K6		Lonovo	
Issue date *	2021-5-19		Lenovo	
Additional information				

d)	Year of manufacture:						
-)					2021		
e)	Etec 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.						
.)	Etec value (kWh) per ErP Lot 3 Categor enable	y and capability adjust	ments applied when a	II discrete graphics o	cards (dGfx) are		
		Category A (according to ErP Lot 3)	Category B (according to ErP Lot 3)	Category C (according to ErP Lot 3)	Category D (according to ErP Lot 3)		
	Memory over base [GB]			32			
ients sting	Additional internal storage	(Yes / No)	(Yes / No)	<mark>yes</mark> (Yes / No)	(Yes / No)		
capability adjustments applied during testing	Discrete television tuner	(Yes / No)	(Yes / No)	No (Yes / No)	(Yes / No)		
ability a lied du	Discrete Audio Card	(Yes / No)	(Yes / No)	No (Yes / No)	(Yes / No)		
cap app	Discrete graphics Card(s) [number / #]	#: (Yes / No)	#: (Yes / No)	Yes #: 1 (Yes / No)	#: (Yes / No)		
	Category of discrete graphics Card(s)						
sults	Etec Value (kWh) - dGfx disabled all discrete graphics cards (dGfx) are disabled/ UMA is active for switchable graphics/ product has no graphics cards (dGfx)	~					
Test results	Etec Value (kWh) - dGfx enabled all discrete graphics cards (dGfx) are enabled			17.56			
g)	Idle state power demand (Watts);		I	l	5.68		
h)	Sleep mode power demand (Watts);				0.73		
)	Sleep mode with WOL enabled power de	emand (Watts) (where	enabled);		0.73		
i)	Off mode power demand (Watts);				0.38		
k)	Off mode with WOL enabled power dem	and (Watts) (where en	abled);		0.38		
I)	Internal power supply efficiency at 10 %	20 %, 50 % and 100 %	% of rated output powe	er (if applicable):			
	10% 20% 50%	100% Avera	ige				
m)	External power supply efficiency (if appli	cable)*:					
	Average active efficiency: 300W: 93.33	%, 92.97% 230W:92.8	34%, 92.62%, 92.47%				
0)	*internal note: show values for all available external p Minimum number of loading cycles that		and (applies only to n	otebook computers):	300CYCLES		
p-1)	Measurement methodology used to dete		tion of in a circle (1) in	tornal DSLL officianov			

	odology used to determine information mentioned in p Program Requirements for Single Voltage Externa Eligibility Criteria (Version 2.0)					
(p-3) Measurement metho	Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries: ≥70% of Cmin					
	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 62623					
(q) Sequence of steps f	or achieving a stable condition with respect to power	demand::				
	Power on -> Wait 5 minutes ->Stable con	ndition				
(r) Description of how s	leep and/or off mode was selected or programmed:					
	Begin menu -> Power -> Select sleep or o	ff mode				
(s) Sequence of events off mode: <i>Refer to</i>	required to reach the mode where the equipment au User Guide	tomatically changes to sleep and/or				
condition which doe	te condition before the computer automatically re s not exceed the applicable power demand requirement r a period of user inactivity in which the compute	ents for sleep mode (in minutes):	30min			
mode that has a lo	wer power demand requirement than sleep mode (in	minutes):	NA			
	ore the display sleep mode is set to activate after nergy-saving potential of power management function		10min			
	Refer to User Guide					
(x) User information on	how to enable the power management functionality:	Refer to User Guide				
	measurements: — test voltage in V and frequency in v system, — information and documentation on the in- sting:					
	230V50HZ-2%-Edition 2.0, 2011-01, Section 4	I, IEC62301				
Additional Notebook Batte						
	Battery[ies] not user replaceable	Battery[ies] user replaceable	n/a			
	The battery[ies] in this product cannot be easily replaced by users themselves. ¹⁾					
Internal/built-in Battery						
External/detachable Battery						
Bios Backup Battery						
Other:						
Additional information						
) The battery[ies] in this product cannot be a						
	иродукт не може да се замени[ят] лесно от самите потребител ser sustituidas fácilmente por los propios usuarios. u paměli prvádět nemi uživetné	и.				
srugeren kan ikke uden videre udskifte ba		and an				
Casutajad ei saa selle toote akut/akusid is	e hõlpsasti asendada.	veraen.				
a/les batterie(s présente(s) dans ce prod	οούν να αντικατασταθούν εύκολα από τους ίδιους τους χρήστες uit ne peuvent être facilement remplacée(s) par les utilisateurs eu	x-mêmes.				
	on può/possono essere facilmente sostituita/e dall'utente.					
ietotāji paši nevar nomainīt šā ražojuma io gaminio baterijos [baterijų] pats vartoto	ojas negali lengvai pakeisti.					
-batterija/batteriji f'dan il-prodott ma tistax	elhasználó nem tudja egyedül egyszerűen kicserélni. /jistgħux tiġi/jiġu sostitwita/i mill-utenti stess.					
Batteriet [ene] i dette produktet kan ikke le De batterij(en) in dit product is (zijn) door (tt erstattes av brukerne selv. Je gebruiker niet gemakkelijk vervangbaar.					
Jżytkownik nie może sam w łatwy sposób						
	te (pot) fi ușor înlocuită (înlocuite) de utilizatorii înșiși.					
Baterij/baterije v tem izdelku uporabniki sa "ämän tuotteen akku [akut] ei[vät] ole help	mi ne morejo zlahka zamenjati.					
Det är inte enkelt för kunden att själv byta Bu üründeki batarya(lar) kullanıcılar tarafı	ut batteriet/batterierna.					