



ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2017)

Annex B2 - Product environmental attributes Desktop/All-in-One Computers

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		_
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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 *	All in One Computer			
Commercial name *	ThinkCentre neo 30a 22 Gen 4			
Model number *	12K3,12K4,12K5,12K6			
Issue date *	2023.2.27			
Intended market *	☑ Global Europe Asia, Pacific & Japan Americas Other			
Additional information	Low blue light;Flicker Free;Energy Star (12K4;12K6) ;EPEAT Silver (12K4;12K6)			

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 number *		12K3,12K4,12K5,12K6	Logo	Long	W/C	
Issue date	e *	2023.2.27		Lenc		тн
Product	environ	mental attributes - Legal requirements		Require	ment	met
Item		-		Yes	No	n.a.
P1	Hazardo	ous substances and preparations				
P1.1*		do comply with current European RoHS Directive. (See legal reference and NOTE	B1)	\boxtimes		
P1.2*		do not contain Asbestos (see legal reference).		\boxtimes		
P1.3*		nt: Legal reference has no maximum concentration value. do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),			$\overline{}$	
F1.3	hydrobro trichloroe concentr	emofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no mation values.	aximum			
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).					
P1.5*	Products	do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 cart ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	oon atoms in th	ne 🔀		
P1.6*	Parts wit	h direct and prolonged skin contact do not release nickel in concentrations above 0 al reference). ht: Max limit in legal reference when tested according to EN1811:2011-5.	,5 μg/cm²/wee	k 🔀		
P1.7*	REACH https://v	Article 33 information about substances in articles is available at (add URL or mail oww.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	contact):			
P2	Batterie					
P2.1*		educt 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)	he disposal	\boxtimes		
P2.2*		or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadm	ium. (See lega	al 🔀		
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)		\boxtimes		
P3	Conforn	nity verification & Eco design (ErP)		_		
P3.1*	The proc The Dec	duct is CE-marked to show conformance with applicable legal requirements (see legal requirements) (see legal requirements				
P3.2*		luct complies with the Eco design requirements for energy-related products, al reference).				
	Required	f information is; given in item P15 or added to this document,				
	•	available at: https://www.lenovo.com/us/en/complian	ce/eco-			_
	declarat	ion				
P5		packaging				
P5.1*		ng and packaging components do not contain more than 0,01% lead, mercury ent chromium by weight of these together.	/, cadmium ai	nd 🔀		
P5.2*		kaging materials are marked with abbreviations and numbers indicating the nature $\mathfrak q$ e legal reference).	of the material((s) 🔀		
P5.3*	(see lega	luct packaging material is free from ozone depleting substances as specified in the Nal reference). In the control of the cont	ontreal Protoc	ol 🔀		
P6		nt information				
P6.1*	Informati	on for recyclers/treatment facilities is available (see legal reference).		\boxtimes		

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 *	12K3,12K4,12K5,12K6	Logo	Lon	21/6		
Issue da	te *	2023.2.27		Len			
Product	tenviron	mental attributes - Market requirements (See General NOTE GN	below)				
		onmental conscious design	20.011)	Require	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*	Parts tha	t have to be treated separately are easily separable		\boxtimes			
P7.2*	Plastic m	naterials in covers/housing have no surface coating.					
P7.3*	Plastic p	arts > 100 g consist of one material or of easily separable materials.		\boxtimes			
P7.4*	· · · · · · · · · · · · · · · · · · ·						
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.						
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).					
	Product						
P7.7*	Upgradir	ng can be done e.g. with processor, memory, cards or drives					
P7.8*	Upgradir	ng can be done using commonly available tools		\boxtimes			
P7.9	Spare pa	arts are available after end of production for: 5 years					
P7.10	Service i	s available after end of production for: 5 years					
	Material	and substance requirements					
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum): type: ABS Material type: PC Materia	al type: PC+AB	•			
		type: SGCC	ai type. PCIAD	3			
P7.12		n materials of external electrical cables are PVC free.			\boxtimes		
P7.13	Insulation	n materials of internal electrical cables are PVC free.		一百		T	
P7.14	weight (plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) b 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in 25% post-consumer recycled content.	e retardants, ai	nd			
P7.15	Printed of	circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g	are low haloge	en 🗌			
P7.16	Flame re	starded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: >FR(40)<					
P7.17	Alt. 1: Ch	nemical specifications of flame retardants in printed circuit boards > 25 g (without co PA (additive), TBBPA (reactive) (See NOTE B3), Other: , CAS #:	,				
	accordin	nemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4:	, ,				
P7.18	concentr 1. Chem 2. Chem	ame retarded plastic parts > 25 g contain the following flame retardant substance ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: " ical name: , CAS #: " ical name: , CAS #: "	s/preparations	in 🔲			
	Alt. 2: Ch	nemical specifications of flame retardants in plastic parts > 25 g according ISO 104	3-4: >FR(40)<	\boxtimes			
P7.19		parts > 25 g, flame retardant substances/preparations above 0,1% are used which			Ħ	$\overline{\boxtimes}$	
	•	I the following Risk phrases; and Hazard statements:				<u>~_</u> V	
	The sour	rce(s) for these classifications is/are found at (add URL(s)):	ee note B5)				
P7.20*		sumer recycled plastic material content is used in the product (See Note B6):	,				
	Of total p	t least one of the two alternatives below shall be answered; lastic parts' weight > 25 g, the postconsumer recycled plastic material content (calc ge of total plastic by weight) is 55.4%. weight of recycled material is 589.1 g.	culated as a				

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 *	12K3,12K4,12K5,12K6	Logo	Len	01/0	
Issue date *	2023.2.27		Lem		TH.
Product environr	roduct environmental attributes - Market requirements (continued)				t met
Item			Yes	No	n.a.

	Material and sub		(aa mtinad)				
P7.21*		ostance requirements material content is use	d in the product (See N	OTE B7):			
	If YES; at least of a) Of total plas	ne of the two alternative	es below shall be answe , the biobased plastic m	ered;	ated as a percentage of		
	or						
P7.22*		of the biobased plastic	material is g. . less than 0,1 mg/lamp.				
F1.22		specify: Number of la		um mercury content pe	er lamp: mg		
P8	Batteries		•				
P8.1*	Battery chemical	composition: Lithium I	Manganese Dioxide				
P9	Energy consum	ption (See NOTE B8)					
P9.1			ls or energy consumption				
Energy mo	de *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *		
Peak (On-I	max)	N/A W	N/A W	N/A W	Full load		
Categor	y2						
Short Idle Enabled	State - WOL	13.24W	13.24W	12.87W	ENERGY STAR Computers V8		
Long Idle : Enabled-A	State - WOL LPM	1.09W	0.98 W	0.96W	ENERGY STAR Computers V8		
Sleep (S3) ALPM	- WOL Enabled-	1.15 W	1.25W	1.15W	ENERGY STAR Computers V8		
Off (S5) - V	VOL Enabled	0.44 W	0.43 W	0.45 W	ENERGY STAR Computers V8		
EPS No-loa		0.033 W	0.033 W	0.0775 W			
(External power s	supply / charger plugged in the connected from the product.)				_		
PTEC *	,	W	W	W			
• •	ergy Consumption						
ETEC * Annual Ene	ergy Consumption	40.62 kWh/year	40.08 kWh/year	39.04 kWh/year	E _{TEC} = (8760/1000) x (P _{off} x 0.45 + P _{sleep} x 0.05 + P _{long_Idle} x 0.15+ P _{short Idle} x 0.35)		
					Enabled; Pidle: Idle State - WOL Enabled		
	,	` `	al Efficiency Marking Pro	otocol) * :			
Display res	olution * : 2.07 me	gapixels					
Default time	e to enter energy s	ave mode: 10 minutes					
P9.2*	Information abou	t the energy save funct	ion is provided with the	product.			
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, $L_{WA,c}$ (B)				it A-weighted sound power level, L _{WA,c} (B)		
	Idle * HDD:Idle * 3.3						
	Operation	* HDD: Operating		* 3.4			
	Other mode	Declared A-weighted sour	nd pressure level (dB) $L_{p m An}$	21 (operator position	on desktop – idle)		
	Other mode	Declared A-weighted sour	nd pressure level (dB) L_{pAn}	21 (operator position	on desktop – operating)		
	Measured accord	ling to: 🔀 ISO 7779 🗌	ECMA-74				
	Other (only if not covered by ECMA-74)						

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 http://www.ecma-international.org/publications/standards/Ecma-370.htm

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

Model number *		12K3,12K4,12K5,1	12K6		Logo	Long	V (0	
Issue date	*	2023.2.27				Leno	VO.	· ·
Product	environr	nental attributes	- Market requirements (cor	ntinued)		Require	ment	met
Item			•	•		Yes	No	n.a.
	Electron	magnetic emissions	S					
P10.4	program	(s): CE,FCC,VCCI,C		lectromagnetic fields o	of the following voluntary			
P12	Ergono	mics for computing	products					
P12.1*			omic requirements of ISO 9241-		echnologies.		\boxtimes	
P12.2*	The phys	sical input device me	eets the requirements of ISO 999	95 and ISO 9241-410.			\boxtimes	
P13	Packaging and documentation							
P13.1*	Product Product Product Product Product	packaging material the	ype(s): Paper -Corrugated Dou ype(s): Plastic - Solid EPE (so ype(s): Plastic - Solid EPE (so ype(s): Plastic - LDPE (low de ype(s): Plastic - LDPE (low de ype(s): Paper - Corrugated sin	lid Expanded polyeth lid Expanded polyeth nsity polyethylene) w nsity polyethylene) w	ylene) weight (kg): 0.3 ylene) weight (kg): 0.4 reight (kg): 0.040 reight (kg): 0.014			
P13.2*	Product	plastic primary pack	aging is free from PVC.			\boxtimes		
P13.3*		duct primary corruga er recovered fiber co	ated fiberboard packaging, spentent: 80 %	cify the contained per	centage of minimum po	st-		
P13.4*		media for user and p ronic, ⊠Paper, ☐	product documentation (tick box) Other	:				
P13.5	Ùser and		em if paper documentation used ation on paper media is chlorine-					
	Element	hlorine-free al chlorine-free ed chlorine-free						
P14	Volunta	ry programs						
P14.1			rements of the following voluntar	ry program(s):				
	Eco-labe	el: Low blue light el: Flicker Free el: Energy Star el: EPEAT-Silver	Criteria version: 2 PfG 2383 Criteria version: 2 PfG 1797 Criteria version: 8.0 Criteria version: 2019	Date: 2023.1.13 F Date: 2022.12.8 F	Product category: Person Product category: Person Product category: Comp Product category: All-in-	nal Compu uter		
P15		nal information (Se						
P9	CPU : In	ntel i5-1340P; GPU	ecific configuration may vary; ! : NA ; RAM : 16G ; Storage : [.]	<u>1T HDD +1TB SSD ; 0</u>	OS :WIN11			
	the info supplier informa Accoun	rmation contained r's knowledge avail tion. The information t Representative fo	representations, guarantees, a in this document. All informat lable at the time of completion on provided here is approxima or more information.	ion provided by supp , and supplier shall h ate and provided for i	olier in this document is lave no obligation to up informational purposes	provided date such	based	on
P9	See Ene http://w	ergy Star Qualified ww.energystar.gov	Notebooks & Tablet Computer /index.cfm?fuseaction=find_a	rs for the latest inforn product.showProdu	nation: ctGroup&pgw_code=C	0		

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	ThinkCentre neo 30a 22 Gen 4	Logo		
Model Number	12K3,12K4,12K5,12K6		Longvo	
Issue Date	2023.2.27		Lenovo.	
Additional information	ow blue light;Flicker Free;Energy Star (12K4;12K6) ;EPEAT Silver (12K4;12K6)			

d)	year of manufacture:				2023
e)	Etec value (kWh) per ErP Lot 3 Categor disabled and if the system is tested with	switchable graphics n	node with UMA driving	the display.	, ,
f)	Etec value (kWh) per ErP Lot 3 Categor enable	y and capability adjust	ments applied when a	III 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]				16
ents ting	Additional internal storage	(Yes / No)	(Yes / No)	(Yes / No)	Yes (Yes / No)
capability adjustments applied during testing	Discrete television tuner	(Yes / No)	(Yes / No)	(Yes / No)	No (Yes / No)
ability a lied dur	Discrete Audio Card	(Yes / No)	(Yes / No)	(Yes / No)	No (Yes / No)
cape	Discrete graphics Card(s) [number / #]	#: (Yes / No)	#: (Yes / No)	#: (Yes / No)	No #: (Yes / No)
	Category of discrete graphics Card(s)				N/A
saults	Etec Value (kWh) - dGfx disabled all discrete graphics cards (dGfx) are disabled/ UMA is active for switchable graphics/ product has no graphics cards (dGfx)				20.03
Test results	Etec Value (kWh) - dGfx enabled all discrete graphics cards (dGfx) are enabled				N/A
(g)	Idle state power demand (Watts);				4.832
(h)	Sleep mode power demand (Watts);				1.586
i)	Sleep mode with WOL enabled power de	emand (Watts) (where	enabled);		0.945
j)	Off mode power demand (Watts);				0.5
(k)	Off mode with WOL enabled power dem	and (Watts) (where en	abled);		0.499
(I)	Internal power supply efficiency at 10 %,	20 %, 50 % and 100 9	% of rated output power	er (if applicable):	
(m)	External power supply efficiency (if appli	cable)*:			
	Average active efficiency: Level VI PA-1900-74FS 25% 88.28 50% 90).22 75% 90.34 100%	6 89.58 Average 8	39.61%	
	ADP-90ME BA 25% 88.28 50% 9	0.7 75% 90.81 100%	90.29 Average 9	0.02%	
	A22-090P1A 25% 91.76 50% 88	2.28 75% 89.19 100%	5 89.37 Average 8	39.65%	

(0)	Minimum number of loading cycles that the batteries can withstand (applies only to notebook computers):	N/A
(p-1)	Measurement methodology used to determine information mentioned in points (I) – internal PSU efficiency:	
	N/A	
(p-2)	Measurement methodology used to determine information mentioned in points (m) – external PSU	
	efficiency: refer to EN 50563:2011 External a.c. — d.c. and a.ca.c. power supplies	
(p-3)	Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries:	
	N/A	
(p-4)	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:	
	refer to IEC62623:2013-Desktop and notebook computers-Measurement of energy consumption	
q)	Sequence of steps for achieving a stable condition with respect to power demand:	
	Based on user manual/Power on->Wait 5 minutes->Stable condition	
r)	Description of how sleep and/or off mode was selected or programmed:	
	Set power button behaviors	
	Set power button behaviors	
	You can define what the power button does according to your preference. For example, by press power button, you can turn off the computer or put the computer to sleep or hibernation mode.	
	To change what the power button does:	
	1. Go to Control Panel and view by large icons or small icons.	
	 Click Power Options → Choose what the power buttons do. 	
	3. Change the settings as you prefer.	
s)	Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:	
	Based on user manual/Control Panel->Power Options-> Change Settings-> Restore default settings for this plan	
t)	Duration of idle state condition before the computer automatically reaches sleep mode, or	10 minutos
	another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes):	10 minutes
u)	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):	N/A
(v)	Length of time before the display sleep mode is set to activate after user inactivity (in minutes):	10 minutes
(w)	Information on the energy-saving potential of power management functionality:	
	N/A	

(x) User information on how to enable the power management functionality: Based on user manual-Set the power plan Set the power plan For ENERGY STAR® compliant computers, the following power plan takes effect when your computers have been idle for a specified duration: · turn off the display: After 10 minutes · put the computer to sleep: After 10 minutes To awaken the computer from Sleep mode, press any key on your keyboard. To reset the power plan: 1. Right-click the battery status icon and select Power Options. 2. Choose or customize a power plan of your preference. Enable or disable the ErP LPS compliance mode Lenovo computers meet the eco-design requirements of the ErP Lot 3 regulation. For more information, go https://www.lenovo.com/us/en/compliance/eco-declaration You can enable the ErP LPS compliance mode to reduce the consumption of electricity when the computer is off or in sleep mode. To enable or disable the ErP LPS compliance mode: 1. Restart the computer. When the logo screen is displayed, press F1 or Fn+F1. 2. Select Power → Enhanced Power Saving Mode and press Enter. 3. Depending on whether you select **Enabled** or **Disabled**, do one of the following: If you select Enabled, press Enter. Then, select Power → Automatic Power On and press Enter. Check whether the Wake on LAN feature is disabled automatically. If no, disable it. · If you select Disabled, press Enter. Then, go to the next step. 4. Press F10 or Fn+F10 to save the changes and exit. When the ErP LPS compliance mode is enabled, you can wake up the computer by doing one of the following: Press the power button. · Enable the Wake Up on Alarm feature to make the computer wake up at a set time. To meet the off mode requirement of ErP compliance, you need to disable the Fast Startup function. 1. Go to Control Panel and view by large icons or small icons. 2. Click Power Options → Choose what the power buttons do → Change settings that are currently 3. Clear the Turn on fast startup (recommended) option from the Shutdown settings list. Test parameters for measurements: — test voltage in V and frequency in Hz, — total harmonic (z) distortion of the electricity supply system, — information and documentation on the instrumentation, set-up and circuits used for electrical testing: Test voltage in V and frequency in Hz: 230V/50Hz Total harmonic distortion of the electricity supply system: ≤2% Instrument Range Used Make and Model ** Or *** Type **AC Power Source** 230V;50Hz EXTECH;6810;SN:1450172 Power Meter 0~200V;0~20A YOKOGAWA;WT210;SN:91H427511 Hygrothermograph 20 to 50°C;20 to 90% SEKONIC;ST-50 Light Measuring 1°; 0.01 to 999,900 cd/m2 Konica Minolta;LS-150

Additional Notebook Batter	ry Information:		
	Battery[ies] <u>not</u> 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			

Additional information	1	,	
Other:			
Bios Backup Battery		Ш	

1)
The battery[ies] in this product cannot be easily replaced by users themselves.
Акумулаторната[ите] батерия[и] в този продукт не може да се замени[ят] лесно от самите потребители.

Las baterías de este producto no pueden ser sustituidas fácilmente por los propios usuarios. Výměnu baterie/baterií v tomto výrobku by neměli provádět sami uživatelé. Brugeren kan ikke uden videre udskifte batteriet/batterierne i dette produkt.

Der Akku/die Akkus dieses Produkts kann/können nicht ohne weiteres vom Benutzer selbst ausgetauscht werden. Kasutajad ei saa selle toote akut/akusid ise hõlpsasti asendada.

Η μπαταρία[-ες] στο προϊόν αυτό δεν μπορούν να αντικατασταθούν εύκολα από τους ίδιους τους χρήστες

La/les batterie(s présente(s) dans ce produit ne peuvent être facilement remplacée(s) par les utilisateurs eux-mêmes. Korisnik ne može lako zamijeniti Bateriju sam u ovom proizvodu.

La batteria/le batterie in questo prodotto non può/possono essere facilmente sostituita/e dall'utente.

Lietotāji paši nevar nomainīt šā ražojuma akumulatoru(-us). Šio gaminio baterijos [baterijų] pats vartotojas negali lengvai pakeisti. A termék akkumulátorát/akkumulátorait a felhasználó nem tudja egyedül egyszerűen kicserélni.

Il-batterija/batteriji f'dan il-prodott ma tistax/jistgħux tiġi/jiġu sostitwita/i mill-utenti stess. Batteriet [ene] i dette produktet kan ikke lett erstattes av brukerne selv.

De batterij(en) in dit product is (zijn) door de gebruiker niet gemakkelijk vervangbaar.

Użytkownik nie może sam w łatwy sposób wymienić baterii w tym produkcie. A ou as baterias deste produto não podem ser facilmente substituídas pelos próprios utilizadores.

Bateria (bateriile) din acest produs nu poate (pot) fi ușor înlocuită (înlocuite) de utilizatorii înșiși.

Batériu(-ie) v tomto výrobku nemôže vymieňať používateľ. Baterij/baterije v tem izdelku uporabniki sami ne morejo zlahka zamenjati.

Tämän tuotteen akku [akut] ei[vät] ole helposti käyttäjän vaihdettavissa.

Det är inte enkelt för kunden att själv byta ut batteriet/batterierna. Bu üründeki batarya(lar) kullanıcılar tarafından kolaylıkla değiştirilemez.