


# THE ECO DECLARATION



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

## 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 *	<a href="#">Lenovo</a>	
Company name *	<a href="#">Lenovo</a>	
Contact information * e-mail address	<a href="#">Lenovo Global Environmental Affairs</a> <a href="#">Alvin L Carter</a> <a href="mailto:alcarter@lenovo.com">alcarter@lenovo.com</a>	
Internet site *	<a href="http://www.lenovo.com/social_responsibility/us/en/environment.html">http://www.lenovo.com/social_responsibility/us/en/environment.html</a>	
Additional information	<a href="#">The latest version of this document can be found at:</a> <a href="http://www.lenovo.com/ecodeclaration">http://www.lenovo.com/ecodeclaration</a>	

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	<a href="#">All in one computer</a>
Commercial name *	<a href="#">Yoga AIO 7 27</a>
Model number *	<a href="#">F0FN</a>
Issue date *	<a href="#">2021/1/29</a>
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	<a href="#">Energy Star 8.0, Flicker Free, Low Blue Light</a>


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.

<b>Model number *</b>	<b>F0FN</b>	<b>Logo</b>			
<b>Issue date *</b>	<b>2021/1/29</b>				
<b>Product environmental attributes - Legal requirements</b>					
<b>Item</b>		<b>Requirement met</b>			
		Yes	No	n.a.	
<b>P1</b>	<b>Hazardous substances and preparations</b>				
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm <sup>2</sup> /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): <a href="https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure">https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>P2</b>	<b>Batteries</b>				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference) <a href="https://www.lenovo.com/us/en/social_responsibility/EU_DoC_desktops">https://www.lenovo.com/us/en/social_responsibility/EU_DoC_desktops</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>P3</b>	<b>Conformity verification &amp; Eco design (ErP)</b>				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at: <a href="https://www.lenovo.com/us/en/compliance/eu-doc">https://www.lenovo.com/us/en/compliance/eu-doc</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is; <input checked="" type="checkbox"/> given in item P15 or added to this document, <input checked="" type="checkbox"/> available at: <a href="https://www.lenovo.com/us/en/compliance/eco-declaration">https://www.lenovo.com/us/en/compliance/eco-declaration</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>P5</b>	<b>Product packaging</b>				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>P6</b>	<b>Treatment information</b>				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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 number *	F0FN	Logo			
Issue date *	2021/1/29				
<b>Product environmental attributes - Market requirements (See General NOTE GN below)</b>					
<b>- Environmental conscious design</b>					
			<b>Requirement met</b>		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.
<b>P7 Design, Disassembly, recycling</b>					
P7.1*	Parts that have to be treated separately are easily separable		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Product lifetime</b>					
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.9	Spare parts are available after end of production for: <b>5</b> years				<input type="checkbox"/>
P7.10	Service is available after end of production for: <b>5</b> years				<input type="checkbox"/>
<b>Material and substance requirements</b>					
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: <b>SGCC</b> Material type: <b>ABS</b> Material type: <b>PC+ABS</b>				
P7.12	Insulation materials of external electrical cables are PVC free.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all <input type="checkbox"/> PCBs > 25 g <input type="checkbox"/> are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): <input type="checkbox"/> TBBPA (additive), <input checked="" type="checkbox"/> TBBPA (reactive) (See NOTE B3), <input checked="" type="checkbox"/> Other: <b>DOPO</b> , CAS #: <b>35948-25-5</b> Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: " Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6):  If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is <b>10.92%</b> . or b) The weight of recycled material is <b>239.7</b> g.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>


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 *	F0FN	Logo	
Issue date *	2021/1/29		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.

**Material and substance requirements (continued)**

P7.21*	Biobased plastic material content is used in the product (See NOTE B7):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: _____ and maximum mercury content per lamp: _____ mg	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**P8 Batteries**

P8.1*	Battery chemical composition: <i>Manganese dioxide Lithium Cobalt Oxide (CoLiO2)</i>	<input type="checkbox"/>
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**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 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *
<i>Peak (On-max)</i>	W	W	W	<i>Full load</i>
<b>Category ---2</b>				
<i>Short Idle State - WOL Enabled</i>	35.5 W	35.2 W	35.8 W	<i>Use for ENERGY STAR V8.0 registration (P<sub>idle</sub>)</i>
<i>Long Idle State - WOL Enabled</i>	8.5 W	8.7 W	8.2 W	<i>Use for ENERGY STAR V8.0 registration (P<sub>idle</sub>)</i>
<i>Sleep (S3) - WOL Enabled</i>	0.9 W	0.9 W	0.9 W	<i>Use for ENERGY STAR V8.0 registration (P<sub>sleep</sub>)</i>
<i>Off (S5) - WOL Enabled</i>	0.6 W	0.6 W	0.6 W	<i>Use for ENERGY STAR V8.0 registration (P<sub>off</sub>)</i>
<i>Off (S5) - WOL Disabled</i>	W	W	0.608 W	<i>Use for ErP</i>
EPS No-load <small>(External power supply / charger plugged in the wall outlet but disconnected from the product.)</small>	W	0.071 W	0.099 W	
PTEC *	W	W	W	<input checked="" type="checkbox"/>
Typical Energy Consumption				
ETEC *	105.1 kWh/year	104.6 kWh/year	105.8 kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.45 + P_{sleep} \times 0.05 + P_{long\_idle} \times 0.15 + P_{short\_idle} \times 0.35)$
Annual Energy Consumption				<input type="checkbox"/>

*P<sub>off</sub>: Off Mode(S5) - WOL Enabled; P<sub>sleep</sub>: Sleep Mode(S3) - WOL Enabled; P<sub>idle</sub>: Idle State - WOL Enabled*

External Power Supply Efficiency Level (International Efficiency Marking Protocol) \* : VI

Display resolution \* : 8.29 megapixels

Default time to enter energy save mode: 25 minutes

P9.2\* Information about the energy save function 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 <sub>WA,C</sub> (B)
	Idle	* HDD:Idle	* 2.7
	Operation	* HDD: Operating	* 3.4
	Other mode	Declared A-weighted sound pressure level (dB) L <sub>pAm</sub>	12 (operator position desktop – idle)
Other mode	Declared A-weighted sound pressure level (dB) L <sub>pAm</sub>	21 (operator position desktop – operating)	
Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74			
<input type="checkbox"/> 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 <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

Model number *	F0FN	Logo	
Issue date *	2021/1/29		

Product environmental attributes - Market requirements (continued)		Requirement met																						
Item		Yes	No	n.a.																				
<b>Electromagnetic emissions</b>																								
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s): <b>EN55032 EN55035</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
<b>P12 Ergonomics for computing products</b>																								
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																				
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																				
<b>P13 Packaging and documentation</b>																								
P13.1*	Product packaging material type(s): <b>Carton</b> weight (kg): <b>2.041</b> Product packaging material type(s): <b>LDPE</b> weight (kg): <b>0.037</b> Product packaging material type(s): <b>EPE</b> weight (kg): <b>1.586</b>																							
P13.2*	Product plastic primary packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: <b>100</b> %			<input type="checkbox"/>																				
P13.4*	Specify media for user and product documentation (tick box): <input checked="" type="checkbox"/> Electronic, <input checked="" type="checkbox"/> Paper, <input type="checkbox"/> Other			<input type="checkbox"/>																				
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:  Totally chlorine-free Elemental chlorine-free Processed chlorine-free	<input checked="" type="checkbox"/>	<input type="checkbox"/>																					
		<input checked="" type="checkbox"/>																						
		<input type="checkbox"/>																						
		<input type="checkbox"/>																						
<b>P14 Voluntary programs</b>																								
P14.1	The product meets the requirements of the following voluntary program(s):  ENERGY STAR® Criteria version: <b>8.0</b> Date: <b>2021.1</b> Product category: <b>2</b> Eco-label: <b>LBL</b> Criteria version: Date: <b>2021.1</b> Product category: <b>All in One</b> Eco-label: <b>Flicker Free</b> Criteria version: Date: <b>2021.1</b> Product category: <b>All in One</b>																							
<b>P15 Additional information (See NOTE B10)</b>																								
P9	<b>Energy consumption of specific configuration may vary; description of the tested product configuration:</b>																							
	<table border="1"> <thead> <tr> <th>Project</th> <th>Cert. item</th> <th>Cat.</th> <th>CPU</th> <th>Memory</th> <th>HDD</th> <th>SSD</th> <th>Graphics</th> <th>PSU</th> <th>OS</th> </tr> </thead> <tbody> <tr> <td>Yoga27 WW SIT</td> <td>ES8</td> <td>2</td> <td>AMD R7-4800H/8C/2.9GHz</td> <td>32GB</td> <td>2TB</td> <td>1TB</td> <td>GPU</td> <td>ADL230NLC3A</td> <td>Win10</td> </tr> </tbody> </table>				Project	Cert. item	Cat.	CPU	Memory	HDD	SSD	Graphics	PSU	OS	Yoga27 WW SIT	ES8	2	AMD R7-4800H/8C/2.9GHz	32GB	2TB	1TB	GPU	ADL230NLC3A	Win10
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P9	See Energy Star Qualified Notebooks & Tablet Computers for the latest information: <a href="http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&amp;pgw_code=CO">http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&amp;pgw_code=CO</a>																							

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.

<b>Commercial name</b>	<i>Yoga AIO 7 27</i>	<b>Logo</b> 
<b>Model Number</b>	<i>F0FN</i>	
<b>Issue Date</b>	<i>2021/1/29</i>	
<b>Additional information</b>	<i>Energy Star 8.0, Flicker Free, Low Blue Light</i>	

P7.1.1 Product environmental attributes					
(d)	year of manufacture:				<i>2021</i>
(e)	<b>Etec value</b> (kWh) per ErP Lot 3 Category and capability adjustments applied when <b>all discrete graphics cards (dGfx) are disabled</b> and if the system is tested with switchable graphics mode with UMA driving the display.				
(f)	<b>Etec value</b> (kWh) per ErP Lot 3 Category and capability adjustments applied when <b>all discrete graphics cards (dGfx) are enable</b>				
		<b>Category A</b> (according to ErP Lot 3)	<b>Category B</b> (according to ErP Lot 3)	<b>Category C</b> (according to ErP Lot 3)	<b>Category D</b> (according to ErP Lot 3)
capability adjustments applied during testing	Memory over base [GB]				<i>32</i>
	Additional internal storage	(Yes / No)	(Yes / No)	(Yes / No)	<i>Yes</i> (Yes / No)
	Discrete television tuner	(Yes / No)	(Yes / No)	(Yes / No)	<i>No</i> (Yes / No)
	Discrete Audio Card	(Yes / No)	(Yes / No)	(Yes / No)	<i>No</i> (Yes / No)
	Discrete graphics Card(s) [number / #]	(Yes / No) #:	(Yes / No) #:	(Yes / No) #:	<i>Yes #: 1</i> (Yes / No)
	Category of discrete graphics Card(s)				<i>G7</i>
Test results	<b>Etec Value (kWh) - dGfx disabled</b> all discrete graphics cards (dGfx) are <b>disabled</b> / UMA is active for switchable graphics/ product has no graphics cards (dGfx)				<i>128.81</i>
	<b>Etec Value (kWh) - dGfx enabled</b> all discrete graphics cards (dGfx) are <b>enabled</b>				<i>150.17</i>
(g)	Idle state power demand (Watts);				<i>41.916</i>
(h)	Sleep mode power demand (Watts);				<i>0.934</i>
(i)	Sleep mode with WOL enabled power demand (Watts) (where enabled);				<i>0.912</i>
(j)	Off mode power demand (Watts);				<i>0.608</i>
(k)	Off mode with WOL enabled power demand (Watts) (where enabled);				<i>0.601</i>
(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 active efficiency: <i>230w(91.9%) 150w(91.6%) level VI</i> *internal note: show values for all available external power supplies				
(o)	Minimum number of loading cycles that the batteries can withstand (applies only to notebook computers):				<i>N/A</i>
(p-1)	Measurement methodology used to determine information mentioned in points (l) – internal PSU efficiency: <i>N/A</i>				
(p-2)	Measurement methodology used to determine information mentioned in points (m) – external PSU efficiency: <i>refer to EN50563:2011 External a.c.-d.c. and a.c.-a.c. power supplies</i>				



(p-3)	Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries: <b>N/A</b>																							
(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:  <b>refer to IEC62623:2013-Desktop and notebook computers-Measurement of energy consumption</b>																							
(q)	Sequence of steps for achieving a stable condition with respect to power demand::  <b>Based on user manual/Power on-&gt;Wait 5 minutes-&gt;Stable condition</b>																							
(r)	Description of how sleep and/or off mode was selected or programmed:  <b>Based on user manual/Begin menu -&gt; Power -&gt; Select sleep or off mode</b>																							
(s)	Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:  <b>Based on user manual/Control Panel-&gt;Power Options-&gt; Change Settings-&gt; Restore default settings for this plan</b>																							
(t)	<b>Duration of idle state condition before the computer automatically reaches sleep mode</b> , or another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes): <b>25 minutes</b>																							
(u)	<b>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</b> (in minutes):																							
(v)	<b>Length of time before the display sleep mode is set to activate</b> after user inactivity (in minutes): <b>10 minutes</b>																							
(w)	Information on the energy-saving potential of power management functionality:  <b>N/A</b>																							
(x)	User information on how to enable the power management functionality:  <b>Based on user manual-Set the power plan</b>  <b>Set the power plan</b>  For ENERGY STAR® compliant computers, the following power plan takes effect when your computers have been idle for a specified duration: <ul style="list-style-type: none"> <li>• turn off the display: After 10 minutes</li> <li>• put the computer to sleep: After 25 minutes</li> </ul> <p>To awaken the computer from Sleep mode, press any key on your keyboard.</p> <p>To reset the power plan to achieve the best balance between performance and power saving:</p> <ol style="list-style-type: none"> <li>1. Go to <b>Control Panel</b> and view by large icons or small icons.</li> <li>2. Click <b>Power Options</b>, and then choose or customize a power plan of your preference.</li> </ol>																							
(z)	Test parameters for measurements: — test voltage in V and frequency in Hz, — total harmonic distortion of the electricity supply system, — information and documentation on the instrumentation, set-up and circuits used for electrical testing:  <b>Test voltage in V and frequency in Hz: 230V/50Hz</b> <b>Total harmonic distortion of the electricity supply system: ≤2%</b>  <table border="1"> <thead> <tr> <th>Instrument</th> <th>Range Used</th> <th rowspan="2">Make and Model</th> </tr> <tr> <th>Type</th> <th>Or</th> </tr> </thead> <tbody> <tr> <td>AC Power Source</td> <td>1~280VAC; 1~550Hz; 1000VA</td> <td>Chroma;61504; SN:615040001117</td> </tr> <tr> <td>Digital Watch</td> <td>Full range</td> <td>CASIO; HS-70W; SN:208Q08R</td> </tr> <tr> <td>Power Meter</td> <td>0~600V; 0~20A</td> <td>YOKOGAWA; WT310E; SN:C3SJ16035E</td> </tr> <tr> <td>Hygrothermograph</td> <td>15~35°C / 15~90%</td> <td>TESTO; 608-H1; SN:1034895602</td> </tr> <tr> <td>Thermal anemometer</td> <td>0~20m/s, -20~70°C</td> <td>TESTO; 425; SN:02591883</td> </tr> <tr> <td>Light Measuring</td> <td>1; 1~300cd/m<sup>2</sup></td> <td>KONICA MINOLTA; LS-110</td> </tr> </tbody> </table>	Instrument	Range Used	Make and Model	Type	Or	AC Power Source	1~280VAC; 1~550Hz; 1000VA	Chroma;61504; SN:615040001117	Digital Watch	Full range	CASIO; HS-70W; SN:208Q08R	Power Meter	0~600V; 0~20A	YOKOGAWA; WT310E; SN:C3SJ16035E	Hygrothermograph	15~35°C / 15~90%	TESTO; 608-H1; SN:1034895602	Thermal anemometer	0~20m/s, -20~70°C	TESTO; 425; SN:02591883	Light Measuring	1; 1~300cd/m <sup>2</sup>	KONICA MINOLTA; LS-110
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Internal/built-in Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																					



External/detachable Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bios Backup Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Additional information</b>			

1)

The battery(ies) in this product cannot be easily replaced by users themselves.  
 Аккумуляторната[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.  
 Brugerene 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[ς] 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/jistghux 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 käytettäjän vaihdettavissa.  
 Det är inte enkelt för kunden att själv byta ut batteriet/batterierna.  
 Bu üründe ki batarya(lar) kullanıclılar tarafından kolaylıkla değiştirilemez.