



# Annex B2 - Product environmental attributes Computers and computer monitors

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 *	HP	Logo
Company name *	HP	
Contact information *	HP Sustainability and Compliance Center	
e-mail address	sustainability@hp.com	
Internet site *	http://www.hp.com/hpinfo/globalcitizenship/environment/	
Additional information		

	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 *	HP 250 G9 Notebook PC				
Model number *	250 G9				
Issue date *	03/04/2022				
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 number *	250 G9	Logo	15
Issue date *	03/04/2022		

Product 6	environmental attributes - Legal requirements R	equirer	ment met
Item		Yes	No n.a.
P1	Hazardous substances and preparations		
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	$\boxtimes$	
P1.2*	Products do not contain Asbestos (see legal reference).	$\boxtimes$	
	Comment: Legal reference has no maximum concentration value.		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	$\boxtimes$	
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum		
	concentration values.		
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated	$\boxtimes$	
	terphenyl (PCT) in preparations (see legal reference).		
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	$\boxtimes$	
	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).		
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week	$\boxtimes$	
	(see legal reference).		
P1.7*	Comment: Max limit in legal reference when tested according to EN1811:2011-5.  REACH Article 33 information about substances in articles is available at (add URL or mail contact):		
F 1.7	REACH Article 33 Declarations (hp.com)		
P2	Batteries	•	
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)		
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal	$\boxtimes$	
	reference)		
P2.3*	Batteries and accumulators are readily removable. (See legal reference)		
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	$\boxtimes$	
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional	$\boxtimes$	
	user", the related text is present and legible on the external packaging (see legal reference)		
P3	Conformity verification & Eco design (ErP)		
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 (add link or e-mail address):	$\boxtimes$	$\Box$
	http://www8.hp.com/uk/en/certifications/technical/regulations-certificates.html Sustainability@hp.com		
P3.2*	The product complies with the applicable Eco design requirements for energy-related products,		$\overline{}$
1 0.2	(see legal reference).		
	Required information is; Sigven in item P15 or added to this document,		
	available at (add URL):		
P5	Product packaging	•	•
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and	$\square$	
	hexavalent chromium by weight of these together.		
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s)	$\boxtimes$	
DC 0*	used (see legal reference).		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference).	$\boxtimes$	$\Box$
	Comment: Legal reference has no maximum concentration values.		
P6	Treatment information		
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	$\square$	
L			

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.

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Product	environmental attributes - Market requirements (See General NOTE GN below)	D		4
la	- Environmental conscious design *=mandatory to fill in. Additional information regarding each item may be found under P14.	Require Yes		
Item P7	Design	res	No	n.a.
• •	Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable	$\boxtimes$		
P7.2*	Plastic materials in covers/housing have no surface coating.		$\overline{\boxtimes}$	
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	$\boxtimes$		
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	$\overline{\boxtimes}$		
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	$\overline{\boxtimes}$		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	$\overline{\boxtimes}$		
	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			
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 (e.g. plastics, metal, aluminum):			
D7 40	Material type: <b>Steel</b> Material type: Insulation materials of external electrical cables are PVC free.			
P7.12				<u> </u>
P7.13	Insulation materials of internal electrical cables are PVC free.		Щ.	Ц
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	, <u> </u>		
	containing more than 25% post-consumer recycled content.			
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g 🛛 are low	$\boxtimes$		
	halogen as defined in IEC 61249-2-21. (See <sup>5</sup> NOTE B2)			
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:  Marking: >PC+ABS-TD15 FR(40)<			Ш
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components):			
	TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other; chemical name: , CAS #:		Ш	Ш
	<u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4: <i>FR40</i>			
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)			Ш
	2. Chemical name: , CAS #: "(cos No 12 b4)			
	3. Chemical name: , CAS #: "			
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: >PC+ABS			
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been			X
	assigned the following Risk phrases; and Hazard statements:			_
	The source(s) for these classifications is/are found at (add URL(s)):			
	http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database (See note B5)			

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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>.

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.

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Product 6	Product environmental attributes - Market requirements (continued)  Requirement met							
Item			(0000			Yes	No	n.a.
	Material and subs	tance requirements	(continued)					
P7.20*			•	product (See NOTE B6	<b>)</b> :			
	If YES; at least one	of the two alternative	es below shall be answ	ered;				
		parts' weight > 25 g, total plastic by weigh		ycled plastic material c	ontent (calculated as a			
	or		,					
		recycled material is	g.					
P7.21*	Biobased plastic ma	aterial content is used	d in the product (See N	IOTE B7):			$\boxtimes$	
	If YES; at least one of the two alternatives below shall be answered;  a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage							
	<ul> <li>a) Of total plastic of total plastic</li> </ul>	by weight) is	, the biobased plastic	material content (calct	nated as a percentage			
	or							
P7.22*		the biobased plastic i		<b>,</b>		$\square$		$\overline{}$
1 1.22	P7.22* Light sources are free from mercury, i.e. less than 0,1 mg/lamp.  If mercury is used specify: Number of lamps: N/A and maximum mercury content per lamp: 0 mg-						ш	Ш
P7.23*	3* If product includes an integral display, the total mercury content in the integrated display: 0 mg					$\boxtimes$		
P8	Batteries							
P8.1*	Battery chemical co	omposition:						$\boxtimes$
P9		ion (See NOTE B8)						
P9.1	For the product the	following power level	ls or energy consumpti	ions are reported:				
Energy mo	de *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard f modes and test method		y	
EPS No-loa		28.2mW	29.5mW	65.2mW	EPS Energy Test Re	port		
(External p	ower supply /							
	igged in the wall lisconnected from							
the product								
PTEC *		W	W	W	EnergyStar@ Progra			
	ergy Consumption	47.00.14\0/15/64000	47.00 IAMb /	40.00 1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	Requirements for Co			
ETEC * Annual Ene	ergy Consumption	17.02 kWh/year	<b>17.06</b> kWh/year	<b>16.90</b> kWh/year	EnergyStar@ Progra Requirements for Co			Ш
External Po	ower Supply Efficiend	cy Level (Internationa	l Efficiency Marking Pr	rotocol) * : VI	EnergyStar@ Progra	am		
					Requirements for Co			
Display res	solution * : <b>1920x108</b>	30 megapixels			EnergyStar@ Progra Requirements for Co	omputer		Ш
Default tim	e to enter energy sa	ve mode: minu	utes		EnergyStar@ Progra Requirements for Co			
P9.2*	Information about the	ne energy save functi	on is provided with the	product.				
P9.3	Energy efficiency cl	lass (monitors only):						
					1			

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.

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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>.

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Product	luct environmental attributes - Market requirements (continued)  Requirement met						
Item			•		Yes	No	n.a.
P10	Emissions						
	Noise emission	<ul> <li>Declared according to ISO 9296 (See NO)</li> </ul>	E <b>B9</b> )				
P10.1	Mode	Mode description	Statistical upper	er limit A-weighted sound pow	er level,		
	Idle	* Fans on	* 2.7				
	Operation	* Fans on, HDD spinning	* 2.8				
	Other mode						
	Measured according to: ISO 7779 ECMA-74 Other (only if not covered by ECMA-74)						
	Electromagneti						
P10.4	program(s):	y meets the requirement for low frequency ele	ectromagnetic fields	s of the following voluntary			
P12		r computing products					
P12.1*		ets the ergonomic requirements of ISO 9241-3	•	,		$\boxtimes$	
P12.2*	The physical inp	ut device meets the requirements of ISO 999	and ISO 9241-410	Э.		$\boxtimes$	
P13		documentation					
P13.1*	* Product packaging material type(s): PAPER/Corrugated Product packaging material type(s): PAPER/Molded Pulp Product packaging material type(s): PLASTIC/Polyethylene low density - LDPE Product packaging material type(s): PLASTIC/Polypropylene - PP  weight (kg): 0.295 weight (kg): 0.141 weight (kg): 0.010 weight (kg): 0.004						
P13.2*	Product plastic primary packaging is free from PVC.						
P13.3*		nary corrugated fiberboard packaging, specify ered fiber content: 57 %	the contained perc	entage of minimum post-			
P13.4*		or user and product documentation (tick box): Paper , Other					
P13.5		nplete this item if paper documentation used) at documentation on paper media is chlorine-foecify:	ree:				
	Totally chlorine-	free					
	Elemental chlori	ne-free			$\overline{\boxtimes}$		
	Processed chlor	ine-free					
P14	Voluntary prog	rams					
P14.1	The product med	ets the requirements of the following voluntary	program(s):				
	ENERGY STAR® Criteria version: 8.0 Date: 03/04/2022 Product category: Commercial Notebook Eco-label: EPEAT Eco-label: TCO Date: 03/04/2022 Product category: Commercial Notebook Date: 03/04/2022 Product category: Commercial Notebook Date: 03/04/2022 Product category: Commercial Notebook Product category: Commercial Notebook						
P15		rmation (See NOTE B10)					
P9	Energy consun	nption of computer products; description of	f the tested produ	ct configuration:			
All Sections	1. Product environmental information contained in this declaration is valid as of the date the declaration is published.  Changes to external standards referenced in the IT Eco-Declaration may invalidate some information contained in this declaration over						
P1	1. This product does not include DEHP, BBP, DIBP, or DBP.						

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

#### P7 Product Upgradability and Reparability

The following table is provided in accordance with IEEE 1680.1-2018<sup>6</sup> criterion 4.4.2.5.

feature	Available [1]	Repairable [2]	Replaceable [3]	Upgradeable [4]
processor	Υ	Υ	Y*	Υ
main memory	Υ	Υ	Υ	Υ
mass storage (internal)	Υ	Υ	Υ	Υ
wireless networking	Υ	Υ	Υ	N
integrated graphics	Υ	Υ	Υ*	N
discrete graphics	Υ*	Υ	Υ*	N
display panel	Υ	Υ	Υ	N
integrated keyboard	Υ	Υ	Υ	N
batteries	Υ	Υ	Υ	N
power supply	Υ	Y	Y	N
fan assemblies	Υ	Υ	Υ	N
speaker(s) (internal)	Υ	Υ	Υ	N
camera	Υ*	Υ	Υ	N
touchpad	Υ	Υ	Υ	N
I/O connectors and external power connector	Υ	Υ	Υ	N
readers [5]	Υ	Y	Y	N

### Table notes:

- [1] Y\* = feature is available, but may not be included in every configuration
- [2] Product can be repaired (returned to fully functional state) if feature fails.
- [3] Feature can be replaced using only commonly available tools without soldering or de-soldering. Y\* = replacement may require replacing an assembly to which the feature is attached.
- [4] Base feature may be upgraded by replacing it with a higher performance module or by expanding capacity through use of expansion slots. NOTE: This evaluation does not
- account for situations in which the initial configuration purchased is already maximized. Contact HP Sales or an HP authorized reseller to determine the availability of upgrade parts and method to obtain them in your geography.
- [5] This feature category includes readers such as fingerprint readers, smart card readers, and other read-only devices, but excludes read/write devices.

P9 1. European Union Commission Regulation 1275/2008- Energy Efficiency Information:

Made / Candition	Dower Consumption in Watto at 220 VAC	Default Time to Made / Candi
Mode / Condition	Power Consumption in Watts at 230 VAC Input Voltage	Default Time to Mode / Condi (if applicable)
Off Mode (if applicable)	0.32	Not Applicable
Standby Mode (if applicable)	Not Applicable	Not Applicable
Network Standby / Sleep / Long Idle Mode if all wired network ports are connected and all wireless network ports are activated (if applicable)	N/A	N/A
Network Standby / Sleep / Long Idle Mode (if applicable)	N/A	N/A

2.European Union Commission Regulation 1275/2008- Wireless Network Instructions:

Where applicable, activate and deactivate a wireless network using the instructions provided in the product user guide or the operating system. Information is also available at www.hp.com/support.

	operating eyetem: Information to allow available at www.np.com/capport.			
P10	Sound Pressure Level			
	Noise emission – Declared according to ISO 9296 (See NOTE B9)			
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound pressure level, $L_{PA,m}$ (dB)	
	Idle	* Fans on	* 16.2	
	Operation	* Fans on, HDD spinning	* 18.6	
	Other mode			
	Measured according to: ☐ ISO 7779 ☐ ECMA-74			
	Other (only if not covered by ECMA-74)			

<sup>6</sup> IEEE Standard for Environmental and Social Responsibility Assessment of Computers and Displays

# Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive)*  * Specific exemptions apply for certain products and applications.	P1.1, P3.1
Regulation (EC) 1907/2006 (REACH Regulation), 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 2006/66/EC (Battery and accumulators Directive), as amended.*  * 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 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE 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
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
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	P2.4, P2.5, P3.1, P3.2, P7.23, P9.1
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
Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register.	
Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	