The EU Ecolabel for personal, notebook and tablet computers products

"The official European label for Greener Products"

Choose the EU Ecolabel for your personal, notebook and tablet computers products to show your commitment to a better environment.

Once it's on your products, the EU Ecolabel guarantees

- High energy efficiency;
- Longer lifetime (applicable to notebooks, two-in-one notebooks and tablets only);
- Restriction of hazardous substances;
- Easy to repair, upgrade and recycle;
- Audited factory working conditions.

The EU Ecolabel can be awarded to any desktop computers, integrated desktop computers, portable all-in-one computers, notebook computers, two-in-one notebook computers, tablet computers, thin clients, workstations, and small-scale servers.

Meet your customers' demand

Today, consumers are more aware that protecting the environment is fundamental. Four out of five European consumers would like to buy more environmentally friendly products, provided that they are properly certified by an independent organisation.

With your products bearing the EU Ecolabel, you offer consumers a reliable logo to easily identify high performing environmentally friendly products that are available on the European market.

Give your personal, notebook and tablet computers products a credible sign of environmental excellence... apply for the EU Ecolabel!

◇ For a quick test, use the check list on the back!

For more information...

… on the scheme, its features, the actors involved, the application process:
http://ec.europa.eu/environment/ecolabel

… on the detailed criteria for personal, notebook and tablet computers product group:
http://ec.europa.eu/environment/ecolabel/products-groups-and-criteria.html

...to market your EU Ecolabel products use our free E-catalogue: http://ec.europa.eu/ecat

Checklist (for a first assessment only) in terms of requirements

This is a non-exhaustive list of EU Ecolabel criteria requirements. Please see the Official criteria document for full details.

Life cycle step	Criterion	Expectations
Manufacturing	Limitation of the use of substances harmful to the environment and health	• The product shall not contain substances that have been included in the REACH Candidate List of **SVHCs (Substances of Very High Concern)** at concentrations of greater than 0,10 % (weight by weight) (see criteria document for more information). • Restrictions on the presence of specific types of **metal solder and contacts; polymer stabilisers, colourants and contaminants; biocidal products; mercury in backlights; and glass fining agents** must be complied with. • **Flame retardants, plasticisers, steel additives and coatings, cathode materials, solvents and salts** may only be used if they have been derogated based on their CLP hazard classification (see the criteria document). Where claims are made for 'halogen free' printed circuit boards or 'halogen free low smoke' cables, additional fire test results are required.
Manufacturing/ End of life	Design, material selection and end-of-life management	• **Plastic parts** with a weight greater than 25 grams for tablet computers and 100 grams for all other computers shall be marked in accordance with ISO 11469 and ISO 1043. • The applicant may choose to focus on *either* **the recyclability of plastic casings, enclosures and bezels** or **minimum recycled plastic content**. • For the recyclability of plastic casings, enclosures and bezels: – Parts that have paints and coatings applied to them and/or flame retardants incorporated into them a test report shall demonstrate that the performance of the recycled resin is not impaired. – Parts shall not contain molded-in or glued-on **metal inserts** unless they can be removed with commonly available tools. • For minimum recycled plastic content, the product shall contain on average a **minimum 10 % content of post-consumer recycled plastic** measured as a percentage of the total plastic (by weight) in the product excluding Printed Circuit Boards and display optical plastics. Where the recycled content is greater than 25 % a declaration may be made in the text box accompanying the Ecolabel (see criteria document for more information). • For recycling purposes computers shall be designed so that a specific list of components and parts can be easily extracted from the product. • The applicant shall provide a **'disassembly test report'** to the competent body carried out in accordance with the test protocol provided and detailing the specific steps and procedures used.
Manufacturing and use	Durability and reliability	• Each notebook computer models shall pass a set of **durability tests**. Each model shall be verified to function as specified and meet the stipulated performance requirements (See table 8 and 9 in the criteria document). • The tablet computer model or the tablet component of a two-in-one computer model shall pass a set of **durability tests**. Each model shall be verified to function as specified and meet the stipulated performance requirements (see table 10 in the criteria document). • Notebook, tablet and two-in-one computer **rechargeable batteries** shall provide a minimum number of **hours of charge** and meet the minimum number of **charging cycles**. • The **data storage drive** in desktop computers, workstations, thin clients, small-scale servers and notebooks shall meet requirements for **reliability and protection**.
Use	Upgradeability and reparability	• The product as a whole shall be **designed for upgrade and repair**, so that a set of listed components are easily accessible and exchangeable using universal tools. • Rechargeable batteries shall be **easy to extract** from the product in order to replace them, as defined by the number of steps and types of tools required. • A **repair manual** shall be provided for the product that provides clear disassembly and repair instructions. • A minimum **commercial guarantee** of three years shall be provided, to include a guarantee for defective rechargeable batteries.
Use	Energy consumption	• The total energy consumption of the computer shall meet the **energy-efficiency requirements** set out in Energy Star v6.1. • Power management functions shall be provided as a default setting and shall warn the user if the function is about to be deactivated. • **The Functional Adder TECgraphics** allowances for discrete graphics cards (dGfx) in desktop, integrated desktop and notebook computers, as shown in the criteria document, shall apply in place of those in the Energy Star v6.1 eligibility criteria. dGfx shall additionally have power management that shuts down the Graphics Processor (GPU) in the long idle state. • **Internal power supplies** in desktop and integrated desktop computers shall meet the requirements for the TEC_{PSU} allowances of Energy Star v6.1 and shall achieve minimum efficiencies as a proportion of the rated output current of 0,84 at 10 %, 0,87 at 20 %, 0,90 at 50 % and 0,87 at 100 %. • Integrated desktop and notebook computers that have **Enhanced Performance Displays**, as defined by Energy Star v6.1shall automatically adjust the picture brightness to the ambient light conditions using an Automatic Brightness Control (ABC) function that shall also be adjustable by the user. The ABC default setting shall be validated according to the procedure provided in the criteria document.
Use	User information	• The computer shall be sold with relevant user information (as specific in the criteria document) that provides advice on the environmental performance of the product. The information shall be located in a single, **easy-to-find place in the user instructions** as well as on the manufacturer's website.
Manufacturing	Corporate Social Responsibility	• The applicant shall support the responsible **sourcing of tin, tantalum, tungsten and their ores and gold from conflict-affected and high-risk areas** by: Conducting due diligence in line with OECD guidance and by promoting responsible mineral production and trade within conflict-affected and high-risk areas for the identified minerals used in components of the product. • Having regard to the **International Labour Organisation's (ILO)** conventions as listed in the criteria document and provision of living wages at the final assembly site for the product. Third party verification by qualified auditors or national labour inspectors shall be provided.