



## The European Ecolabel for Portable Computers "The official EU mark for Greener Products"

Choose the EU Ecolabel for your Portable Computers if you want to show your commitment to a better environment.

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

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy up-grades
- Reduced solid waste production through take-back policy

It can be awarded to portable computers with a system unit, display and keyboard combined in a single case which can be used with an internal battery. This product group also covers devices equipped with touch screen keyboard.

### Meet your customers' demand

Consumers are today more sensitive to the protection of the environment. Four out of five European consumers would like to buy more environmentally friendly products, provided they are properly certified by an independent organisation. With the EU Ecolabel on your products you offer them a reliable guide to easily identify the good environmental performers available on the market.

♦ For a quick test, use the check list on the back

**Give your Personal Computers a credible sign of  
environmental excellence...  
Apply for the EU Ecolabel!**

### They said it!

- 15 million computers are sold each year in Europe.
- Whether these computers are PCs or laptops, this corresponds to thousands potential tones of waste per year.
- The EU Eco-label criteria encourage easy dismantling for easier recycling, thus minimising the environmental impacts of computer waste.
- Moreover, if only 5% of these computers sold every year in Europe were EU Ecolabelled personal computers, the energy savings would lead to avoid the emissions of 11220 t of CO<sub>2</sub> per year. This is equivalent to the emissions of a car going 1700 times round the Earth!

The EU Eco-label, a high value for your products!

Sources: "the Direct and Indirect Benefits of the EU Eco-label", AEAT, 2004.  
Ademe, 2005

### For more information...

... on the scheme, its feature, the actors involved, the application process...  
<http://ec.europa.eu>

... to market your eco-labelled products use our free Ecatalogue...  
<http://ec.europa.eu/ecat>

... on the "Portable Computers" product group: detailed criteria, date of revision...  
[http://ec.europa.eu/environment/ecolabel/ecolabelled\\_products/categories/portable\\_computers\\_en.htm](http://ec.europa.eu/environment/ecolabel/ecolabelled_products/categories/portable_computers_en.htm)



## Check-list (for a first assessment only)

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	Hazardous substances and mixtures	<ul style="list-style-type: none"> <li>The product or any part of it does not contain substances identified as substances of very high concern and included in the list foreseen in Article 59 of Regulation (EC) No 1272/2008 nor substances or mixtures meeting the criteria for classification in the hazard classes or categories.</li> <li>Concentration limits for substances meeting criteria or Regulation (EC) No 1907/2006 should not exceed 0,1 % weight by weight.</li> </ul>
Manufacturing	Substances listed in accordance with Article 59(1) of Regulation (EC) No 1907/2006	No derogation from the exclusion in Article 6(6) maybe given concerning substances identified as substances of very high concern, present in mixtures, in an article or in any homogenous part of a complex article in concentrations higher than 0,1 %. Specific concentration limits apply in case it is lower than 0,1 %.
Manufacturing	Power management	<ul style="list-style-type: none"> <li>Power management settings should be 10 minutes to screen off (display sleep); 30 minutes to computer sleep.</li> <li>Notebook with Ethernet capability should have the ability to enable and disable wake on LAN (WOL) for sleep mode.</li> <li>Notebook with Ethernet capability must meet specific requirements.</li> </ul>
Manufacturing	Mercury in fluorescent lamps	Mercury or its compounds should not intentionally be added to the backlights of the computer display.
Manufacturing	Plastic parts	<ul style="list-style-type: none"> <li>Plastic parts should not contain a chlorine content greater than 50 % by weight.</li> <li>Only biocidal products containing biocidal active substances included in Directive 98/8/EC and authorised for use in computers, can be used.</li> </ul>
Manufacturing	Recycled content	The external plastic case of the system unit, monitor and keyboard should have a post-consumer recycled content of not less than 10% by mass.
Manufacturing	Packaging	<ul style="list-style-type: none"> <li>Where cardboard boxes are used, they should be made of, at least, 80% recycled material.</li> <li>Where plastic bags are used for the final packaging, they should be made of, at least, 75% recycled material or they should be biodegradable or compostable.</li> </ul>
Use	Energy savings	The energy efficiency performance should exceed the requirements set out by Energy Star v5.0. <i>Please refer to the online criteria document for full details.</i>
Use	User instructions	<p>Specific information should come with the product:</p> <ul style="list-style-type: none"> <li>Energy consumption: TEC value in accordance with Energy Star v5.0.</li> <li>Off mode will reduce energy consumption but will still draw some power.</li> <li>End-of-life instructions for the proper disposal of PC and/or computer displays at civic amenity sites or through retailer take-back schemes.</li> </ul> <p><i>Please refer to the online criteria document for full list and details</i></p>
Use	Noise	<ul style="list-style-type: none"> <li>Noise <math>\leq</math> 32 dB(A) in idle operating mode.</li> <li>Noise <math>\leq</math> 36 dB(A) when accessing a hard-disk drive.</li> </ul>
Use	Information appearing on the EU Ecolabel	<p>Optional label with text box contains the following text:</p> <ul style="list-style-type: none"> <li>'High energy efficiency</li> <li>Designed to facilitate recycling, repair and upgrading</li> <li>Mercury-free backlights (if computer displays)'</li> </ul>
End of life	User reparability	<ul style="list-style-type: none"> <li>Clear instructions should be provided to the end-user in the form of a manual (in hard or soft copy) to enable basic repairs to be undertaken.</li> <li>The applicant should ensure that spare parts are available for at least five years from the end of production of the notebook computer.</li> </ul>
End of life	Design for disassembly	<ul style="list-style-type: none"> <li>Fixtures within the personal computer should allow for its disassembly especially for parts containing hazardous substances.</li> <li>Plastic parts should be of one polymer or be of compatible polymers for recycling and have the relevant ISO 11469 marking if greater than 25g in mass.</li> </ul>
End of life	Lifetime extension	<p>Personal computers should have facilities that enable the following:</p> <ul style="list-style-type: none"> <li>Exchangeable and upgradeable memory and graphic cards</li> <li>Expansion capability: presence of at least three USB interfaces as well as a connection for an external monitor.</li> </ul> <p><i>Please refer to the online criteria document for full list and details</i></p>

