

## Product Sheet

# Personal Computers (system units)



### Scope

Personal Computers (workstations, micro-computers, etc), including those with a monitor integrated in the unit. Personal Computers that are used exclusively as servers are not eligible for the GEEA Label. The models concerned must be available through the trade in Europe in the same configuration as indicated in the registration. The product as sold to the customer should be able to operate on mains voltage (230 Vac). This includes portable equipment that is sold with an external power supply and portable computers that are capable of being powered also from a battery.

### Criteria

Personal Computers (PC) are eligible for the GEEA Label if the following criteria are met:

Category	Criteria	Criteria valid till*
All personal computers	The power consumption in the <b>off mode</b> is <b>2 W</b> or less.	31.12.2005
	The <b>default delay time</b> before the equipment switches into the sleep mode is <b>30 minutes</b> or less.	31.12.2005
	The power consumption in the <b>sleep mode</b> is <b>5 W</b> or less.	31.12.2005
	The equipment must include one or more mechanism(s) to power down a monitor. The <b>default delay time</b> before the computer switches the monitor into the sleep mode is <b>30 minutes</b> or less.	31.12.2005

\* See Rules of Registration Procedure

### Compliance with the Energy Star MoU

The compliance with Energy Star can be indicated as follows (X = compliance):

Mode	Definition	Test Method	Criteria
Off		Not defined for Energy Star	
Sleep	X	X	

### Definitions and Test Method

Definition and test method for sleep mode are equal to current Energy Star definition and test method with this supplement: For portable computers with rechargeable battery, no charging takes place.

#### Definition off mode

Off mode	<p>Operating mode in which the PC is connected to the mains (230 Vac) and has been switched off by the user. If there are several ways of turning the computer off, it is the method, which the supplier recommends to the user for normal daily use.</p> <p>For portable computers with rechargeable battery, no charging takes place.</p>
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#### Test method off mode

To measure off mode power consumption the following steps have to be carried out:

- The measurement conditions are equal to the measurement conditions for the sleep mode (see Energy Star test method with the supplement above for portable computers).
- Connect the computer under test to the mains and ensure that it is switched off.
- Measure energy consumption in the off mode with a calibrated energy meter (watt-hour meter) over at least one (1) hour. Dividing the measured energy consumption by the time period over which it was measured will produce the average power consumption in watts.
- State the result in watts (rounded off to the first digit after the decimal point).