

Model : X120

LG Electronics' strategic direction for greener products is to minimize the environmental load in every stage of the product lifecycle. Our process to improve environmental performance of our products is based on design for higher energy efficiency, reduction in raw materials use, improvements in recyclability and recycled content and in general, minimizing impact on human health and the environment.

The LG Electronics Environmental Declarations give information on the most relevant environmental aspects of the product.



PRODUCT

Product Type and Model	Notebook / LGX120
Weight	1.26Kg (May vary with options installed)
Dimension (L×W×H)	264x179x25~38mm

PACKAGE

Dimension (L×W×H)	315x179x25~38mm
Volume	10,000 cm ³
Weight	

ENERGY CONSUMPTION

This product satisfies the Energy Star standard version 5.0.

Mode	Energy Consumption (W)	Mode description
"Idle" Mode (ACPI-S0)	9.0	As specified by the EPA Computer spec 4.0 or system is sitting at the main Window screen
"Sleep" Mode (ACPI-S3)	1.05	Suspend-to-RAM (low power mode)
"Off" Mode (ACPI-S5)	0.8	System is turned off

TEC: 28.7766 kWh = (0.8X0.6 + 1.05X0.1 + 9.0X0.3) X 8.76

Sleep Mode Default Time minutes: 20 minutes

Display Sleep Mode Default Time minutes: 15 minutes

Battery Life Time: 7.0 Hours

Energy Consumption results are based upon the lab testing of the System Configuration listed under.

Energy Consumption is tested at 220V/60Hz, Date Tested: 03/03/2009

Test System Configuration

Processor	Atom CPU N270	Screen Size	10.1 Inch
System Memory	1GB X 1EA	Hard Drive	160 GB
Video Card	Inter (Mobile Intel®945 Express Chipset Family, On Board)	Operating System	Window XP (Professional)

Power Supply

Internal or External	External
Type of EPS	AC-DC
Energy-Efficiency Level	V
Energy Consumption for No-Load	0.2

* The power supply satisfies DOE

Noise Emission

Dedared Noise Emission in accordance with ISO 9296 (tested in accordance with ISO 7779)

Mode	MAX	Optical Disc Drive Accessing	Idle
Sound Pressure Level(dB)	34	N/A	23.7

Packaging

Material Used in the Packaging

Part Name	Material	Weight (g)	Foaming Agent	Flame Retardant	
				Name	ISO 1043-4
Box	Corrugated Fireboard	493	None	None	
Cushioning Material	EPE	17	None	None	

The product packaging does NOT contain :

Heavy metals according to EU Packaging Directive 94/62/EC

Ozone depleting substances as listed in the Montreal protocol (ex: CFCs, HCFCs)

Halogenated plastics or polymers (ex: PVC)

Plastic packaging material is marked in accordance with ISO 11469 and ISO 1043-1 to 4 or the relative regulation in Korea, Japan and China.

LG electronics develops slim and light design products to minimize the use of resources.

In addition, LG Electronics has been reducing the use of PVC, BFR, and other materials that may be harmful to human health and the environment.

Material Used in Major Mechanical Part and PCB

Part Name	Material Used		Flame Retardant		Weight(g)
	Name	Identification Number	Name	ISO 1043-4	
Main Board	FR-4	-	TBBPA	FR(16)	113
LCD Rear Outer	PC	GN-1006FMR		Non	84.9
LCD Rear Inner	PC+ABS	GN-5151RFA	BPADP	CR-741	67.1
LCD Front Case	PC+ABS	GN-5151RFA	BPADP	CR-741	21.7
Bottom Case	PC+ABS	GN-5151RFA	BPADP	CR-741	85.8
Keyboard deck	PC+ABS	GN-5151RFA	BPADP	CR-741	53.2
Memory cover	PC+ABS	GN-5151RFA	BPADP	CR-741	6.5

DISASSEMBLY and RECYCLING

- Mechanical plastics parts heavier than 5g are labeled with material codes in accordance with ISO 11469 and ISO 1043-1~4 to facilitate plastic recycling.
- **Recycling in the EU** : LG Electronics has fulfilled the WEEE directive demands in all EU countries. The following are recycling firms to which LG Electronics has subscribed : http://www.lge.com/about/sustainability/take-back_Europe.jsp
- **Recycling in the US and Canada** : LG Electronics complies with electronic waste regulations in each state in the US and in provinces of Canada. In addition, LG Electronics has voluntary collection sites and holds periodic collection events in states without e-waste laws in place. LG Electronics is also a proud sponsor of Keep America Beautiful's Great American Cleanup. The following are recycling firms to which LG Electronics has subscribed : <http://www.lg.com/global/sustainability/environment/take-back-recycling/global-network-korea.jsp>
- **Recycling in other regions** : LG Electronics also operates take-back and recycling programs for unwanted products in countries where local take-back regulations do not exist. Customers are advised to contact the local LG service center for further information.

RESTRICTED SUBSTANCES

In order to ensure that all LG Electronics' products and packaging comply with environmental regulations on the use of hazardous substances, LG Electronics manages our supply chain and material specifications for all materials used in LG products through implementation of LG standards for the management of hazardous substances in products and use of the LG hazardous substance management IT system.

- This product (including packaging) complies with the below mentioned directives and regulation.

RoHS Directives

EU Directive 2002/95/EC and amendments

REACH Regulation

EU Regulation 1907/2006/EC

Packaging Directive

EU Directive 94/62/EC

Ozone Depleting Substances

CFCs, Halons, Chlorofluorocarbons as banned in the Montreal Protocol

Others

Mercury : 0mg

VOLUNTARY REPLACEMENT of HAZARDOUS SUBSTANCES

LG Electronics either has phased out or is phasing out the using of polyvinylchloride(PVC), brominated flame retardants (BFR), chlorinated flame retardants (CFR) and phthalates as defined in LG Electronics' Standard for Management of Hazardous Substances.

>> Further information on the LG Electronics hazardous substance management system, hazardous substance phase out program and REACH compliance can be found at:

<http://www.lg.com/global/sustainability/environment/management-of-hazardous-substances.jsp>

INFORMATION for CUSTOMER

- Electronic devices shall not be thrown into household waste but be separated for correct recycling.
- Batteries are collected separately for battery recycling. Do not throw used batteries into household waste.
- Please separate the packaging material according to responsible waste disposal options and sort for recycling. For environmentally sound recycling, contact your local LGE service center or check local regulations for correct disposal of household electronics.
- To download a copy of X120 user guide, visit <http://www.lg.com/us/support/product/support-product.jsp>

GREEN CERTIFICATION

Category	Label/Mark	Name	Reference
ENERGY Label		Energy star	http://www.energystar.gov/index.cfm?c=products.pr_find_es_products
		Korea e-Standby Program	http://kempia.kemco.or.kr/efficiency_system/home/index.asp
ECO Label		Korea Eco-Label	http://www.greenproduct.go.kr/
Standards		CE	KR-KETI0859
		UL	Project 09ME02321