

Product Carbon Footprint Report

BenQ

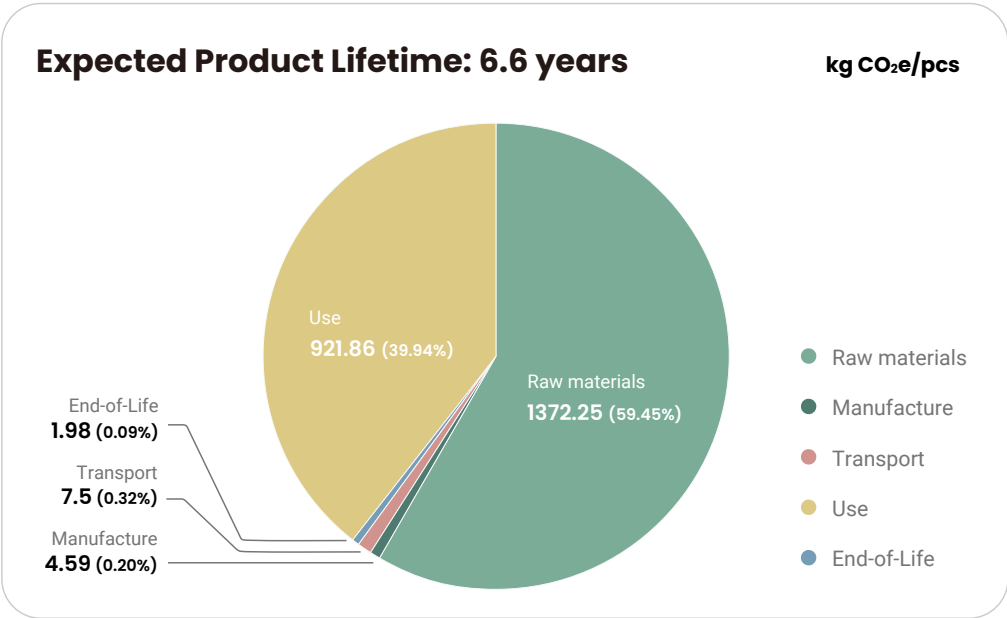
BenQ Board Essential – RE7503A



Estimated carbon footprint
2308.18 kgCO₂e
±5.66%

Report issued July 2024

Product Life Cycle Data



General Product Information

Category	Element	Input
Product Specifications	Product weight (with packaging)	66.5 kg
	Screen size	75 inches
	Product lifetime	6.6 years
	Estimated total annual standby and power-on consumption	276.53 kWh
End-of-life	Waste incineration	15%
	Material recycling	85%
Location	Final assembly in China for global use	

The PCF value is calculated using the specific attributes above for assembly, use, and transportation.

About the data

1 This estimated carbon footprint is based on the BenQ RE7503A model using the PAS2050:2011 and ISO 14067:2018 standards for carbon footprint inventory and calculation. Data was generated using the SimaPro 9.3.0.2 PCF calculation tool.

The life cycle impact assessment methodology follows the IPCC 100-year Greenhouse Gas Emissions Assessment Method (IPCC 2021 GWP 100a) to calculate the CO₂ emission equivalent of a product from raw material extraction to product disposal (cradle to grave).

2 The pie chart illustrates the percentage contribution of each element’s mean value to the total CO₂e footprint of the product throughout its entire life cycle. The Life Cycle Analysis (LCA) is divided into five categories: Raw materials, manufacture, transport, use, and end-of-life. Below is a brief description of each phase:

Raw materials

This life cycle phase includes emissions generated during the extraction, production, and transport of raw materials.

Manufacture

This life cycle phase includes emissions generated during the manufacture of subassemblies (including the product packaging) and product assembly.

Transport

Emissions included in the transport phase include all those generated during the air, land, and sea transport of finished or semi-finished BenQ products between BenQ facilities and from BenQ facilities to customers.

Use

Usage energy consumption is calculated in accordance with the U.S. Environmental Protection Agency’s ENERGY STAR Typical Energy Consumption (TEC) methodology.

End-of-life

The recycle rate is calculated based on a BenQ internally calculated Waste from Electrical and Electronic Equipment (WEEE) recycle rate that assumes that waste materials is disposed of by landfill. Emissions generated during the mechanical destruction, separation, and transport of end-of-life materials are included in the calculation.

To learn more about BenQ sustainability efforts, visit our [Environmental Sustainability](#) page.

Disclaimer

This information sheet contains a description of the carbon footprint data for this declared product, which is based on estimates of the current state of the product life cycle, but is subject to known or unknown risks or uncertainties, so actual results may be different from the statement.

