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Product Carbon Footprint Report

V120
FULLY RUGGED LAPTOP



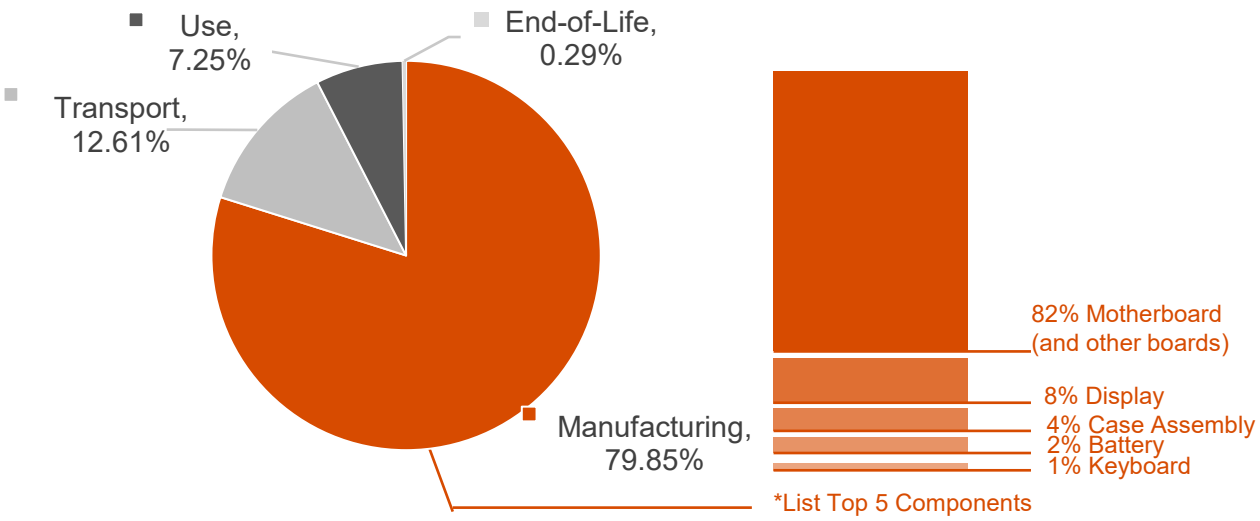
Estimated impact

295.09 **kg CO_2e**

±36.47%

This product is based on the ISO 14040, ISO 14044, and ISO 14067 standards for carbon footprint inventory and calculation.

Estimated impact by lifecycle stage, with a breakdown for manufacturing phase by main factors.



Assumptions for calculating product carbon footprint

Product Weight	Product Lifetime	Use Energy Demand (Yearly TEC)
2.1 kg	**3** years	**16.1** kWh
Screen Size	**Use Location**	**Assembly Location**
12.2"	Worldwide	Taiwan

This PCF calculation was calculated using SimaPro 10.4.0.0 And the lifecycle impact assessment methodology follows the IPCC 100-year Greenhouse Gas Emissions Assessment Method (IPCC 2021 GWP 100) to calculate the GHG emission equivalent of a product from raw material extraction to product disposal (Cradle to Grave).

The carbon footprint of the product's life cycle stages including Manufacturing, Transport, Use, and End-of-Life. Below is a brief description of each phase.

Manufacturing: This phase captures emissions generated during raw material extraction and transportation, as well as product manufacturing, including assembly and packaging activities.

Transport: Emissions included in the distribution phase include all those generated during the air, ocean, or land transport from the point of final product assembly to the customer or product ownership.

Use: In-use energy consumption is calculated following the U.S. Environmental Protection Agency's Energy Star® Typical Energy Consumption (TEC) methodology. Calculated energy consumption is then combined with average emissions factors for the designated country of use to calculate emissions.

End-of-life: The recycling rate is calculated based on the WEEE's guideline recycle rate. It is assumed that the balance of the product 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.

Disclaimer
All estimates of carbon footprint are uncertain. 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. The information contained herein is subject to change without notice and Getac Technology Corp. shall not be liable for technical or editorial errors or omissions contained herein.