



Product Carbon Footprint

Acer Chromebook Plus 514

CB514-4H, CB514-4HT, CBE594-1, CBE594-1T

Estimated carbon footprint

240 +/- 46[†] kgCO₂e

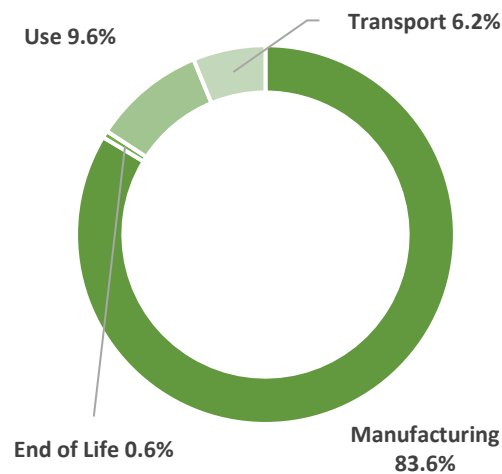


Acer carefully consider environmental factors in every stage of the product life cycle. This includes selecting materials during design, through packaging and shipping, to usage and recycling to reduce environmental impacts.

Acer uses PAIA (Product Attribute to Impact Algorithm) to perform product carbon footprints. The PAIA platform, developed based on MIT's methodology, was created to speed up the process while delivering streamlined and consistent results that are robust enough to make fact based decisions on product sustainability.

[†]All estimates of carbon footprint are uncertain. For this product, the 5th and 95th percentile of the carbon footprint estimate, 146 kgCO₂e and 450 kgCO₂e, to reflect that uncertainty. That estimate has a mean of 240 kg of CO₂e and standard deviation of 46 kg of CO₂e .

Product carbon footprint by percentage



Product breakout	%
Display	48.2%
Mainboard (and other boards)	17.8%
Use	9.6%
Power Supply Unit(s)	8.5%
Transport	6.2%
Chassis	5.3%
Battery	3.1%
Packaging	0.8%
End of Life	0.6%

General Information

Product Weight (excluded accessory and packaging)	1.5 kg
Panel Size	14"
Typical Energy Consumption (Yearly TEC)	11.7 kWh
Product Lifetime	4 years
Final Assembly in China and use in Europe	

About the Data

The product carbon footprint was calculate using the Product Attribute to Impact Algorithm model, Notebook tool, version 1.3.2, copyright by the ICT Benchmarking collaboration including the Massachusetts Institute of Technology's Materials Systems Laboratory and partners.

The LCA result strongly influenced by the assumptions made and PAIA tools are not configured to allow for simultaneous simulation, it is not recommended that PAIA results be used in comparisons.

Learn more about Acer Sustainability, please visit [Acer Sustainability Website](#) and [Acer Earthion Website](#).



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 Acer Inc. shall not be liable for technical or editorial errors or omissions contained herein.