

Estimated carbon footprint

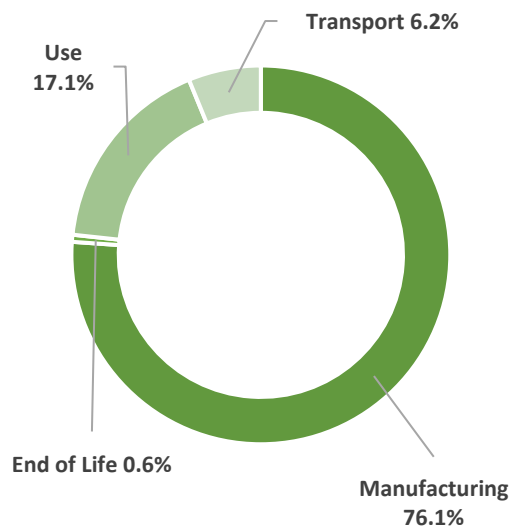
**271 +/- 63<sup>†</sup> kgCO<sub>2</sub>e**

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.

<sup>†</sup>All estimates of carbon footprint are uncertain. For this product, the 5<sup>th</sup> and 95<sup>th</sup> percentile of the carbon footprint estimate, 147 kgCO<sub>2</sub>e and 616 kgCO<sub>2</sub>e, to reflect that uncertainty. That estimate has a mean of 271 kg of CO<sub>2</sub>e and standard deviation of 63 kg of CO<sub>2</sub>e .

## Product carbon footprint by percentage



Product breakout	%
Display	31.3%
Mainboard (and other boards)	19.0%
Use	17.1%
Power Supply Unit(s)	12.0%
Solid State Drive(s)	7.7%
Transport	6.2%
Chassis	2.8%
Battery	2.3%
Packaging	1.0%
End of Life	0.6%

## General Information

Product Weight (excluded accessory and packaging)	1.5 kg
Panel Size	16"
Typical Energy Consumption (Yearly TEC)	23.7 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 1.4.3, 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](#).