

Product Carbon Footprint  
**Dell Inspiron 16 Plus 7640**  
 Report Produced December 2023

At Dell Technologies we are working to reduce the environmental impact of our products. We look at every part of the product’s lifecycle, from materials, manufacturing, and shipping to use and end-of-life management after it leaves our doors.

To calculate this Dell Technologies uses PAIA (Product Attribute to Impact Algorithm) to perform product carbon footprints. PAIA is a streamlined Life-Cycle Assessment (LCA) tool developed by [MIT’s Materials System Laboratory](#). It takes into consideration important attributes of the product which can be correlated to activities in order to calculate the product carbon footprint.

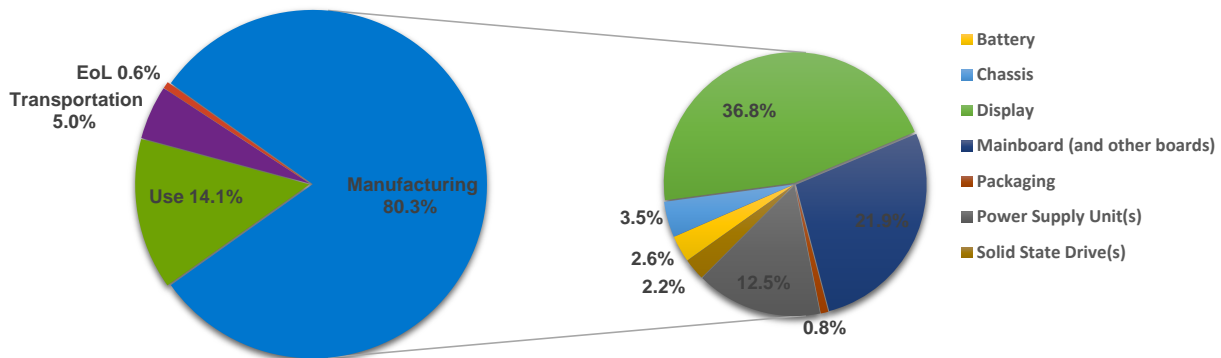


Carbon footprint calculations have a wide range based on a variety of factors including how the device is configured, where it was manufactured and more. Dell Technologies reports the 5th and 95th percentile of the carbon footprint estimate to reflect that uncertainty. For this product, that estimate has a mean of 286 kg of CO2e and standard deviation of 52 kg of CO2e.

Assumptions for calculating product carbon footprint:

<b>Product Weight</b>	1.99 kg	<b>Screen Size</b>	16"	<b>Assembly Location</b>	China
<b>Product Lifetime</b>	4 years	<b>Use Location</b>	EU	<b>Energy Demand (Yearly TEC)</b>	20.2 kWh

## ESTIMATED IMPACT BY LIFECYCLE STAGE



Learn more about what Dell is doing to reduce our impact and track our progress with our annual Progress Made Real Report at [Dell.com/Sustainability](https://Dell.com/Sustainability)

† Disclaimer: This PCF was calculated using the PAIA model, version 1.3.2, 2023, copyright by the ICT Benchmarking collaboration, which includes the Massachusetts Institute of Technology’s Materials Systems Laboratory and partners. Results shown here are subject to change as the tool is updated