

Product Carbon Footprint Report

ASUS TUF Gaming A18

FA808 (Series: FA808UP, FA808UM, FA808UH)

Report produced: Sep.,2025

Estimated carbon footprint

403 Kg CO₂e \pm **82** Kg CO₂e



Product Introduction & Assumptions for calculating product carbon footprint:

Product Weight	Screen Size	Product Life
2.68 kg	18 inch	4 years
Assembly Location	Use Location	Use Energy Demand (Year TEC)
China	Europe	18.3 kWh/year

WHY WE DO

ASUS is committed to continuously improving the environmental performance of the products you purchase. Through product carbon footprint reports (PCF), we show the environmental impact of product lifecycles from design to disposal.

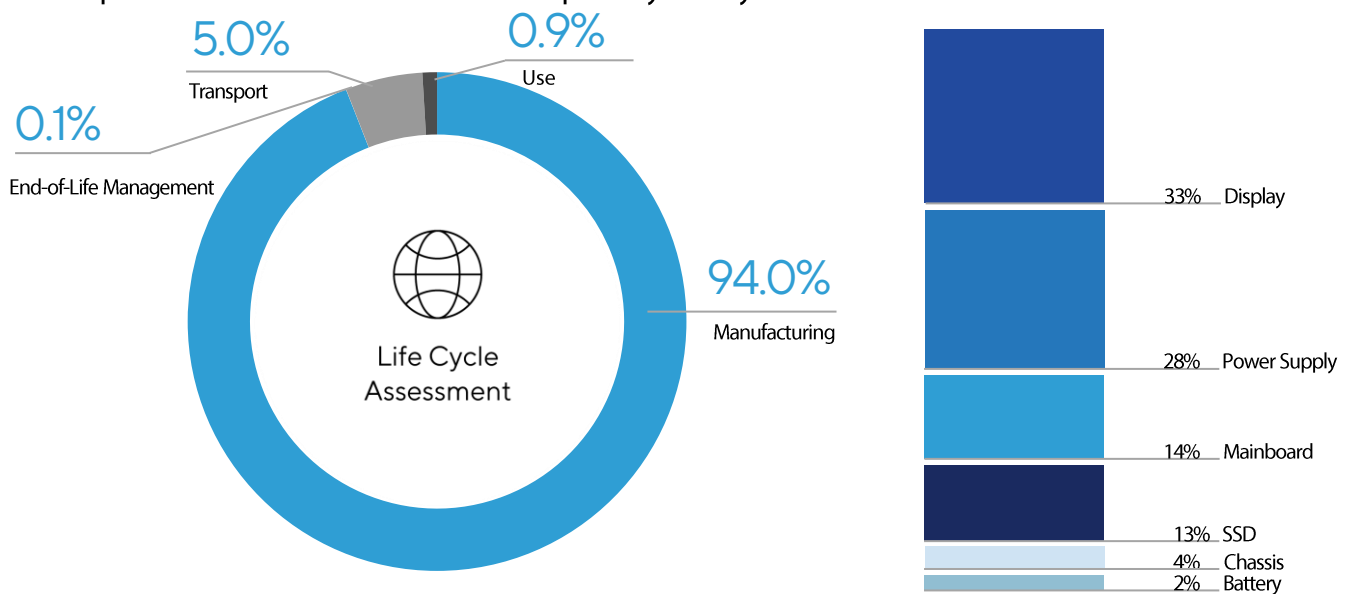
HOW WE CONDUCT

Product Carbon Footprint (PCF) is calculated using PAIA (Product Attribute to Impact Algorithm), PAIA tool is a streamlined Life-cycle assessment (LCA) tool developed by MIT's Material System Laboratory and methodology was following IEC TR 62921:2016. Throughout the entire life cycle of a product, and the assessment includes the contributions material extraction, manufacturing, packaging and ship, use and end-of-life management.

WHAT WE PRESENT

There are many variety factors including the device configuration influence the result of product carbon footprint. ASUS show the 5th and 95th percentile value and the means GHG result included standard deviation of carbon footprint estimate to reflect that uncertainty. For this product, the show the 5th and 95th percentile of carbon footprint estimate, 244 Kg CO₂e and 773 Kg CO₂e, and that estimate has a mean of 403 Kg CO₂e and standard deviation of 82 Kg CO₂e.

This product's estimated carbon footprint by Lifecycle:



About the data

Methodology

Estimated emissions are calculated using PAIA Notebook Tool Version 1.4.7, copyright by the ICT Benchmarkgin collaboration including the Massachusetts Institute of Technology's Material Systems Laboratory and partners. Results shownn here are subject to changed as the tool is updated.



Modular design:

90% materials and parts are easy to recycle and reuse in waste treatment plants



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ASUS' sustainability effort