

# Product Carbon Footprint Report

ASUS Vivobook S16  
M5606W(Series: D5606W, Y5606CW)

Report produced: Apr.,2025

## Estimated carbon footprint

**284** Kg CO<sub>2</sub>e  $\pm$  **53** Kg CO<sub>2</sub>e



Product Introduction & Assumptions for calculating product carbon footprint:

| Product Weight    | Screen Size  | Product Life                 |
|-------------------|--------------|------------------------------|
| 1.5 kg            | 16 inch      | 4 years                      |
| Assembly Location | Use Location | Use Energy Demand (Year TEC) |
| China             | Europe       | 28.89 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.

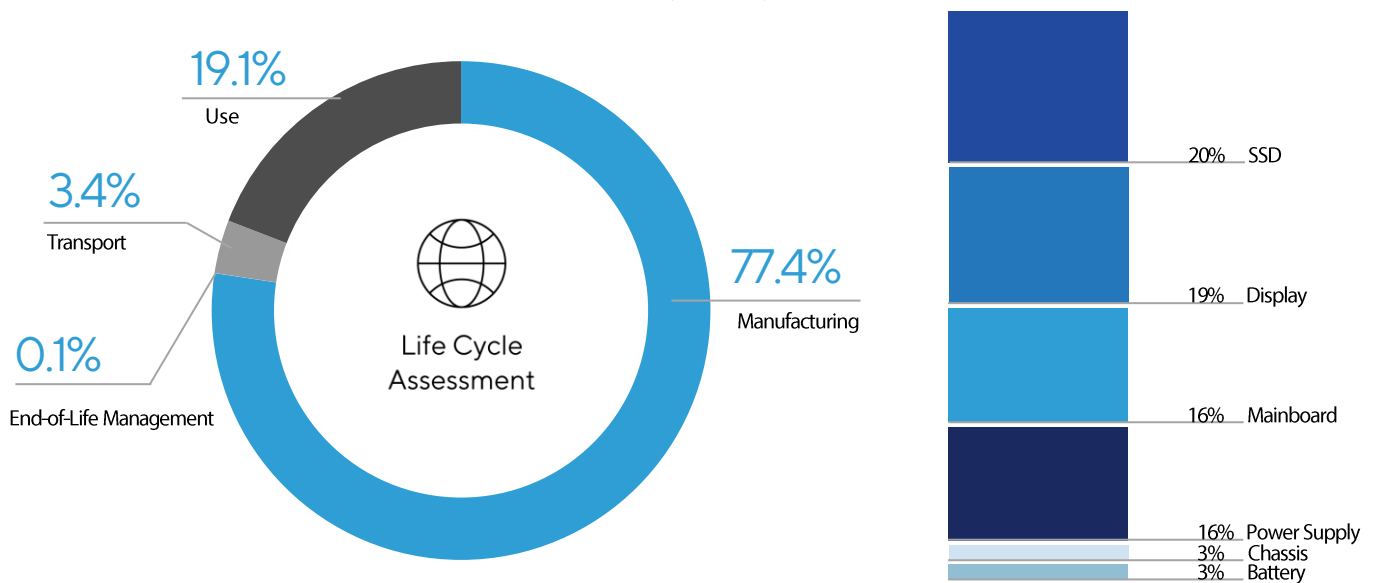
## HOW WE CONDUCT

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 5<sup>th</sup> and 95<sup>th</sup> percentile value and the means GHG result included standard deviation of carbon footprint estimate to reflect that uncertainty. For this product, the show the 5<sup>th</sup> and 95<sup>th</sup> percentile of carbon footprint estimate, 157 Kg CO<sub>2</sub>e and 565 Kg CO<sub>2</sub>e, and that estimate has a mean of 284 Kg CO<sub>2</sub>e and standard deviation of 53 Kg CO<sub>2</sub>e.

This product's estimated carbon footprint by Lifecycle:



## About the data

### Methodology

Estimated emissions are calculated using PAIA Notebook Tool Version 1.4.6, copyright by the ICT Benchmarking collaboration including the Massachusetts Institute of Technology's Material Systems Laboratory and partners. Results shown here are subject to change 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