

Product Carbon Footprint (PCF) Analysis

Product: wevqqgfkhx (Smart Home Hub)

15.59
kgCO₂e

Total Carbon Footprint per 1.0
unit

Carbon Intensity

15.59 kgCO₂e

per functional unit (1.0 unit)

Primary Emission Scope

Scope 3

Value chain emissions (11.43 kgCO₂e)

Top Material Hotspot

PCB

Printed Circuit Board (1.25 kgCO₂e)

Production Country

China

Manufacturing Location

Lifecycle Stage Breakdown



Use Phase	8.75 kgCO2e
Production (Energy & Waste)	4.16 kgCO2e
Material Acquisition	3.36 kgCO2e
Transportation & Distribution	0.14 kgCO2e
End-of-Life (Landfill Emissions)	0.12 kgCO2e
Recycling Credit (Avoided Emissions)	-0.94 kgCO2e
Total Net Carbon Footprint	15.59 kgCO2e

