

html

## Product Carbon Footprint Analysis

# invhhlxdrg

**Total PCF:** 3.785 kg CO2e per unit

**Company:** qsukxsxрге • **Standard:** GHG Protocol • **Boundary:** Cradle-to-Grave

### Total Footprint

**3.785** kg CO2e

Per 1.0 unit of invhhlxdrg

### Carbon Intensity

**3.785** kg CO2e / unit

Reflects emissions per functional unit

### Top Material Hotspot

**PCB with Components**

0.50 kg CO2e (13.2% of total PCF)

### Primary Emission Scope

## Scope 3 Downstream

Mainly driven by Use Phase (2.00 kg CO2e)

### Lifecycle Stage Breakdown

Use Phase	52.8%
Materials	32.2%
Production Energy	19.8%
Logistics	1.7%
End-of-Life (Credit)	-6.6%

Percentages based on the absolute contribution to the total PCF for visualization.

### Material Carbon Impact

- **Optimize Use Phase Energy:** Implement software and hardware redesigns to minimize energy consumption during the product's 5-year lifespan.
- **Sustainable Sourcing:** Engage with material suppliers to gather primary data, explore lower-carbon alternatives, and increase recycled content (e.g., rABS) in components.
- **Maximize Green Energy:** Aim for 100% renewable energy sourcing in manufacturing to further reduce or eliminate Scope 2 emissions.
- **Strengthen Circularity:** Continue investing in and promoting existing take-back programs to ensure high recyclability and maximize End-of-Life benefits.