

# wgoyistdiq

(Smart Home Hub)

Product Carbon Footprint Analysis by xyivmkhwym

[CARBONCALPCF.COM](https://CARBONCALPCF.COM)

**13.15 kgCO<sub>2</sub>e**

Total Carbon Footprint

Total Footprint

**13.15 kgCO<sub>2</sub>e**

Carbon Intensity

**21.55 kgCO<sub>2</sub>e/kg**

Top Material Hotspot

**Silicon Chipset**

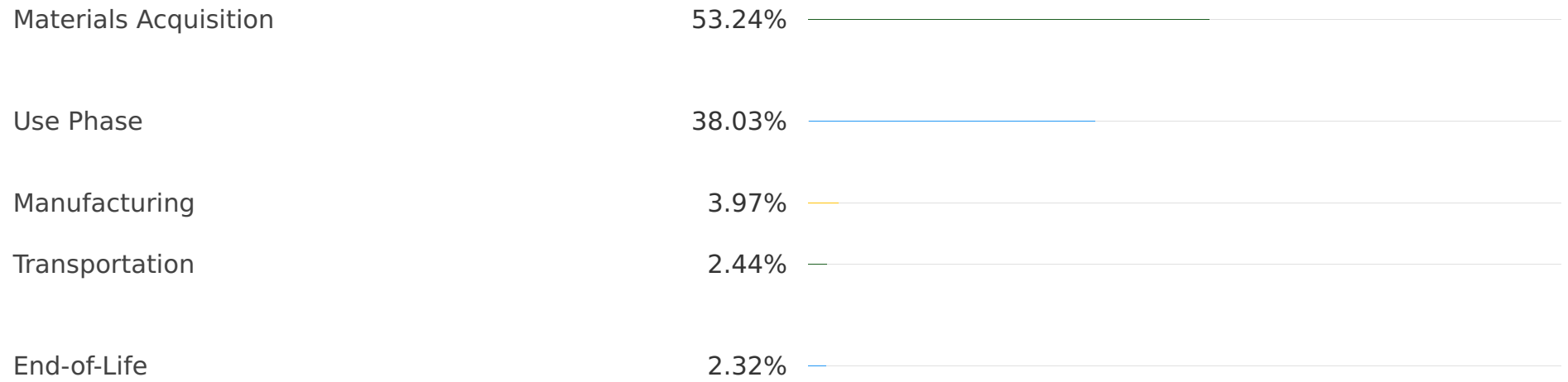
3.0 kgCO<sub>2</sub>e

Primary Emission Scope

**Scope 3**

96.03% of total

## Lifecycle Stage Breakdown



- **Material Optimization:** Prioritize sourcing lower-carbon alternative materials or increasing recycled content for high-impact components such as silicon chipsets, batteries, and plastics.
- **Energy Efficiency in Use:** Implement design improvements to reduce the product's energy consumption during its 5-year operational lifespan.
- **Renewable Energy Integration:** Increase renewable energy usage beyond the current 40% in manufacturing operations in China to significantly reduce Scope 2 emissions.
- **Circular Economy Initiatives:** Strengthen take-back programs and strive to increase the recyclability percentage beyond 60% to enhance avoided emissions at the End-of-Life stage.