

Docking Station

Verified per-unit climate impact for Docking Station devices processed by Upcycle It. Calculated using Rejoose's RFI methodology, aligned with GHG Protocol and ISO 14040/44. Lifecycle GWP covers refurbishment, 2-year use phase, and end of life.

PER-UNIT CLIMATE IMPACT - KEY RESULTS

LIFECYCLE GWP

3.37

kg CO₂e - RFI + use (2yr) + EoL

REFURBISHMENT IMPACT (RFI)

2.36

kg CO₂e per unit

AVOIDED EMISSIONS

24.91

kg CO₂e per unit

AVOIDED E-WASTE

0.5

kg per unit

LIFECYCLE GWP BREAKDOWN - 3.37 KG CO₂E PER UNIT



24.91 kg

CO₂e avoided per unit refurbished

Refurbishment emits **8.65%** of the emissions it avoids.

Avoided emissions and RFI are reported separately and are never netted. The avoided figure represents the true net climate benefit per unit.

RFI - WHAT IS COUNTED

- ◇ Inbound and outbound transport per unit mass
- ◇ Storage allocated by floor area and duration
- ◇ Repair labor via Scope 2 employee-hour factors
- ◇ Replacement parts via weighted upstream mix
- ◇ Outbound packaging materials
- ◇ Use-phase energy (2yr) included in lifecycle GWP

SYSTEM BOUNDARY - EXCLUDED

- ◇ Original manufacturing (upstream, pre-ITAD)
- ◇ Disposal of replaced parts during repair
- ◇ Transport prior to ITAD collection point
- ◇ Use-phase beyond the defined 2-year period

IMPACT EQUIVALENCE - AVOIDED EMISSIONS (24.91 KG CO₂E PER UNIT)


4.2 yrs
for one urban tree to sequester this CO₂
EPA 2024 - 6 kg CO₂/tree/yr


102 km
driven in a petrol car
EPA 2024 - 0.244 kg CO₂e/km


692 hrs
video streaming
~36 g CO₂e/hr (IEA est.)


1,483
paper cups avoided
~16.8 g CO₂e/cup (WRAP)