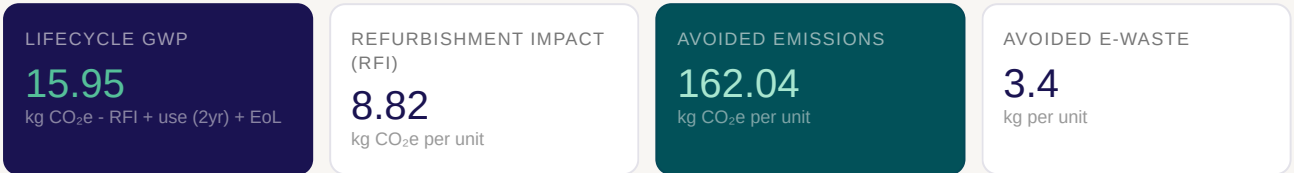


Desktop

Verified per-unit climate impact for Desktop 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



n = 20 units. One outlier excluded (EoL = 13.14 kg CO₂e, row 4).

LIFECYCLE GWP BREAKDOWN - 15.95 KG CO₂E PER UNIT



162.04 kg
CO₂e avoided per unit refurbished

Refurbishment emits **5.16%** 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 (162.04 KG CO₂E PER UNIT)

