



# Sustainability and Products Design

## For a smaller environmental footprint

As part of its ESG (Environmental, Social and Governance) commitments, Ekinops keeps implementing several initiatives towards Sustainability centered around the reduction of the environmental footprint of its operations and products.

For its access solutions in particular, products eco-design is a key element of Ekinops strategy and development and is based around key factors:

- Measuring product climate impact through Life Cycle Analysis
- Reducing form factor whilst maintaining performance
- Improving consumption/performance ratio «by design»
- Enhancing packaging & delivery
- Improving repairs and product end-of-life

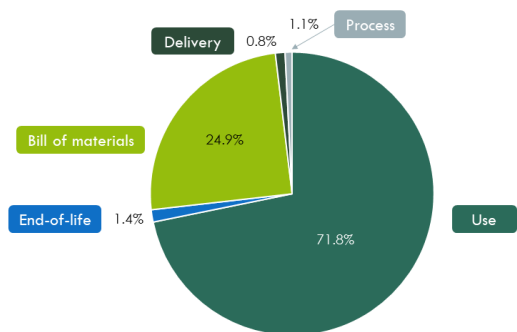
## IMPACT ON CLIMATE MEASUREMENTS

On the entire life cycle including manufacturing and usage the ONE521 has a climate impact of:

**138.5 kgCO<sub>2</sub>eq**

Equivalent to 628 km trip by combustion-powered car

More than **70% of climate impact is for usage** i.e. electricity consumption at customer premises.



## REACH STRONG PERFORMANCE WITH SMALLER DEVICE



- Smaller, more compact device to reduce footprint on premises
- Appliance consolidation (all-in-one box)
- Lower power consumption to enhance cost/performance ratio
- Fan-less for a longer lifetime

## LIMIT POWER CONSUMPTION

Ekinops is continually enhancing the performance/power consumption ratio of its access products, with the objective of reducing the number of watts per hundreds of Bps.

Adding features to reduce power consumption

- Support of Green Ethernet
- Possibility to switch off Wi-Fi interfaces
- Possibility to switch off cellular module



## → Impact of switching off Wi-Fi

Switching off Wi-Fi when not used, outside working hours, at night on weekdays and during the week-end helps make a significant impact on environmental footprint:

- Reduce power by 5 Watts (30% of product consumption)
- -17% on climate impact (minus 24 kgCO<sub>2</sub>eq)
- And electricity bill reduced for end customer



## PACKAGING ENHANCEMENT



- Complete plastic ban in packaging, replace with cardboard
- Safety form and sticker are made of paper and printed with water-based ink
- Product casing are either in metal or in 100% recycled ABS plastic casing
- Packaging size optimized for an increased number of products per pallet, from 109 to 152, and for optimized truck loading

## PRODUCTS SUNSET

### → Facilitate maintenance and recycling

- Detailed MID (Material Identification Document)
  - Explain how to dismantle the product
  - Identify recycling parts
- Numbers of screws are minimized for faster repairs and dismantling



### → End-of-life products

Customers can return their end-of-life products (WEEE: Waste from Electrical and Electronic Equipment) to Ekinops who commits to collect and forward to authorized recycling companies for further processing.



- Ekinops adheres to eco-organisms in France and Belgium, for which quarterly reports to the local eco-organisms are issued and eco-contribution are paid
- Ekinops is registered at the French and Flemish Environmental Management (Governmental) Agencies
- If customers request to handle WEEE in other EU member states, Ekinops commits to find an appropriate solution that fits their needs

Our ambitions continue to grow. See our overall initiatives [here](#)



Ekinops