

SCALANCE XC108 INDUSTRIAL ETHERNET SWITCH

Siemens EcoTech Profile

Compact and robust unmanaged Switch for machine-level applications



Minimum material use

Overall weight reduced by 35% due to material savings and minimizing use of internal components



Packaging

Recycled packaging material and packaging is plastic free.



Durability / Longevity

Increased ambient temperature range of operation to extend the area of application and to prolong product life.



Energy efficiency

Reduced power consumption compared to predecessor product.



Repairability

Worldwide repair and spare parts service available.



Ease of disassembling / Circularity instructions

Ease of disassembly is optimized with standard tools.



Compliant with substance regulations

Protect people and environment by avoiding substances of concern.



EPD Type II available

According to ISO 14021 including Life Cycle Impact Assessment (LCIA). The Environmental Product Declaration (EPD) provides transparency on the environmental impact of the product throughout its life cycle (e.g. Product Carbon Footprint (PCF) data).



Scan for [Environmental Product Declarations \(EPD\)](#) and further technical information.



Range of application

This Siemens EcoTech Profile is valid for SCALANCE XC108 Industrial Ethernet Switches.

Further information on the product

Sustainable materials:



Minimum material use

- Material savings through functional integration.
- Minimized use of internal components compared to predecessor product.



Packaging

- High recycled content of the cardboard used (> 75%).
- Minimum usage of product documentation saving > 50% pages per product (only the safety data sheet is in the product packaging).
- Entire user manual for download only.

Optimal use:



Energy efficiency

- Power consumption reduced by 10% compared to predecessor product.



Durability / Longevity

- Increased ambient temperature range of operation from -40 °C to +70 °C compared to predecessor product. This allows reduction in heating energy need for electrical cabinets.
- High robustness, long lifetime.

Value recovery & circularity:



Repairability

- Repair & spare parts service available (including a minimum of 10 years after phase out).



Ease of disassembling / Circularity instructions

- Number of screws to open the housing is reduced compared to the predecessor product to streamline the disassembly process.

Our production facilities

Our goal is clear: All Siemens production facilities and buildings worldwide are to achieve a net zero-carbon footprint by 2030. Today, all Siemens EcoTech products are manufactured in production facilities using 100% renewable electricity.

And the ambitions go much further. The management systems implemented in our production facilities reduce the environmental impacts of our sites. Furthermore, we ensure fair treatment and respect for our people. More information about the 360° view on Siemens' sustainable transformation: [Learn more about our DEGREE framework](#)



Scan for more information on the [Siemens EcoTech framework](#)

Our Robust Eco Design process

The Siemens Robust Eco Design (RED) approach provides the foundation for integrating Ecodesign systematically into our product development and allows us to derive Ecodesign specifications that are advantageous from an environment point of view while meeting our own sustainability goals as well as those of our customers and suppliers. The RED approach involves three phases:

Application perspective

Definition of relevant product families, identification, and prioritization of Ecodesign requirements from stakeholder expectations.

Solid foundation

LCA-based assessment of environmental impacts for representative products along the entire life cycle, communicated via EPD.

Dematerialization

Evaluation of quantitative environmental impacts of Ecodesign and of further requirements, derivation of improved design specifications wherever reasonable.



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