

SIMATIC S7-1500 IO WITH ET 200MP

Siemens EcoTech Profile

Take control of innovations



Packaging

The packaging boxes are made of 100% recycled and FSC certified cardboard.



Energy efficiency

Continuously reduced power dissipation through more efficient electronic design.



Durability / Longevity

Extended area of application to prolong the product life e.g. by increasing the ambient temperature range of operation.



Maintenance possible / Updatibility

The product is maintenance-free and firmware updates are available in SIOS to keep the product up to date.



Repairability

Reliable repair services and supply of spare parts available. The product design supports easy repairability.



Upgradability

Functional upgrades can be achieved through the implementation of firmware updates to the device.



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 all ET 200MP Interface Modules, Digital and Analog Modules.

Further information on the product

Sustainable materials:



Packaging

- FSC certified cardboard box made of **100%** responsibly managed sources and recycled fibers.
- All manuals and product information are supplied in PDF format only and are no longer printed on paper.

Optimal use:



Energy efficiency

- Saving approx. **1,300 kWh per 1.000 modules p.a.** leading to a saving of approx. **600 kgCO₂e p.a.**. This is achieved through design optimizations such as the introduction of a new ASIC and is dependent on global emissions factor.



Durability / Longevity

- Extended operating ambient temperature range of **-30 °C / -25 °C to 60 °C** (no condensation or icing) compared to the previous permissible range (**0°C to 60°C**).
- The product design has been improved to withstand environmental conditions at greater altitude. Extending its maximum altitude from **2,000 meters** to up to **5,000 meters**.

Value recovery & circularity:



Repairability

- Professional repair services and spare parts supply available to ensure fast and reliable support.



Upgradability

- Firmware updates, which enable functional upgrades are available in SIOS.

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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