



# Reduxi Industrial AI Energy Management System

Reduxi Industrial is an innovative energy management system designed to optimize electricity consumption, production, and storage for C/I and Utility users.

Using AI algorithms, the system provides real-time adjustments to reduce costs, enhance energy efficiency, and increase self-sufficiency, making it an ideal solution for those looking to align their energy practices with cost reduction and sustainability goals. Its intuitive control panel (web-based or inmobile app) also offers users complete monitoring and insights into their energy systems, and enables them to also control connected device manually.

## Connect Reduxi to:



Heat Pump



Solar Power



Electricity Meter



EV Chargers



Battery Storage

## Reduxi System

The Reduxi System, available via web and mobile app, delivers effortless real-time monitoring with updates every second and periodic summaries every minute, ensuring you always have the latest insights into your energy system.

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App Store



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# Reduxi Industrial



Reduxi Industrial is the heart of your smart energy management system (EMS). It's the core component of the Reduxi ecosystem, offering robust functionality to optimize energy management and maximize efficiency. Its advanced capabilities include:

- **Centralized Energy Management:** Seamlessly connects solar panels, energy storage, heat pumps, EVchargers, and more to streamline energy production and consumption.
- **Smart Device Integration:** Communicates with devices using industry-standard protocols (e.g., Modbus, DLMS, OCPP) for effortless control and compatibility.
- **Scalable Design:** Supports an unlimited number of devices for versatile use in C/I and Utility environments.
- **Dynamic Tariff Optimization:** Leverages real-time market data to reduce energy costs through automated load shifting and peak management.
- **Possibility to connect to grid-regulation services** for additional revenues
- **High-Speed Data Processing:** Provides second-by-second data acquisition and control for precise and responsive system operations.
- **Plug & Play Setup:** Simple and user-friendly DIN rail installation with intuitive configuration tools, enabling fast deployment.

Reliable, efficient, and highly adaptable, the Reduxi Industrial enables higher cost savings and energy independence while being prepared for the future of energy management.



## HOUSING

Material	Compact plastic housing, DIN rail IEC/EN 60715 TH35 attachment.
Dimensions	90 x 72 x 60 mm (4 DIN)
Ingress Protection	<IP20
Weight	230 g

## POWER SUPPLY

Supply voltage	24 V DC
Average power consumption	300 mA

## CONNECTIVITY

Ethernet	1 Gbps WAN + 100 Mbps LAN (RJ45)
Mobile	LTE With External Antenna Connector
Wi-Fi	With Internal Antenna
RS485	2x 921600 BAUD half duplex
Relay Port	4x
Digital Input Port	6x
M-Bus	s1x M-Bus Master + 1x M-Bus Slave

## OTHER

Operating temperature range	From 0°C to +40°C
Storage temperature range	From -10°C to +70°C
Relative humidity during operation	< 95% (non-condensing)