REDUXI CONTROLLER · KNOWLEDGE BASE

Connecting to a smart electricity meter

Data ports of smart electricity meters and the country-specific requirements in Slovenia, Austria and Sweden.

- Smart electricity meters · data port (for example P1)
- Slovenia · Austria · Sweden
- Data via Wi-Fi to an app or dashboard



Iskraemeco AM550, a supported meter in Slovenia

Text description of this image

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1 Smart meter data ports

Most smart electricity meters have a dedicated data port (for example P1). The port allows real-time monitoring of energy consumption and production. A compatible device connects to this port and sends the data via Wi-Fi to a mobile app or a dashboard for analysis.

The specifics for each country are listed in the following points.

2 Slovenia

2.1 Access to the meter

The electricity meters in Slovenia are usually locked in a closet. To open it, contact the corresponding distribution system operator (DSO). The communication from the electricity meter is also encrypted. The DSO has to unlock it.

Contacts of the DSO: Elektro Ljubljana (contact details to be added).

> ℹ️ **Note**
> The process can take 2–3 weeks.

2.2 Supported electricity meters

Reduxi P1 Ultra / Pro:

METER	PHOTO
Iskra AM550 (see How to connect Iskraemeco AM550 energy meter with Reduxi Controller)	 *Iskraemeco AM550*

1. **Text description of this image**

   Photo of the upper part of a

3 Austria

The electricity meters in Austria are usually encrypted. The encryption key can be obtained via a link that is still to be added.

4 Sweden

If you have received a new smart electricity meter, you can activate the connection port yourself on **My Pages**. After you log in, an information box appears at the bottom of the page. It explains how to activate the connection port. The activation can take up to 2 days until it is completed in the system.

If the box is not displayed, the meter replacement has probably not taken place yet, or the grid company has not yet registered the meter replacement in its system. The map shows when the meter replacement in your area is planned.

Useful links:

- https://www.vattenfalleldistribution.se/kund-i-elnatet/matarbyte/nya-elmataren/
- https://hanporten.se/natbolag/

5 Other useful links

⚠ **To be removed before publishing**

These links were marked in the draft as other useful links that are removed before the page goes live.

- https://helpdesk.homewizard.com/en/articles/5935311-is-my-smart-meter-compatible
- https://homey.app/en-us/wiki/what-are-p1-smart-energy-meters/
- https://whatwatt.ch/en/compatibility
- https://www.amsleser.no/
- https://amibit365.sharepoint.com/:f:/s/Reduxi-razvojCloud/EsISW5rSWrBKhsY2wSSWGNQB1yFAZZTye7CPAU2mzheOqg?e=HS9OEc
- https://gfa-electronic.at/_wp/wp-content/uploads/Datenblatt_Smart_Meter_Adapter.pdf – see the table

✓ Summary

Overview (Point 1): Most smart meters have a data port, for example P1. A compatible device sends the data via Wi-Fi.

Slovenia (Point 2): The meter is locked in a closet and the communication is encrypted. The DSO unlocks both. The process takes 2–3 weeks.

Austria and Sweden (Points 3–4): Austria: meters are usually encrypted. Sweden: activate the connection port on My Pages. It takes up to 2 days.

Further information (Point 5): Links to compatibility lists and data sheets. Remove before publishing.

→ Common issues

ISSUE	SOLUTION
No data from the meter port	Slovenia: the DSO has to unlock the closet and the encrypted communication. Austria: obtain the encryption key. Sweden: activate the connection port on My Pages.
Information box for the port is missing (Sweden)	The meter replacement has probably not taken place yet or is not registered yet. The map shows when the replacement in your area is planned.

→ Compatibility reports

Technical details per meter model: how the Reduxi Controller reads the meter, which data it provides, what to configure and the known limitations.

Aidon 65xx family (HAN)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Iskraemeco AM550 (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Kaifa MA105C (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Kaifa MA304C (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Kaifa MA309M (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Kamstrup OMNIA / HAN-NVE (HAN)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Landis+Gyr E350 (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Landis+Gyr E360 (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Landis+Gyr Norwegian HAN models (HAN)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Sagemcom S210 (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Sagemcom T211 (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Sagemcom XS212 (P1)
Smart Meter Compatibility Report (PDF): protocol, readable data, configuration, limitations

Related articles

Matching guides from the Reduxi knowledge base:

How to connect Iskraemeco AM550 energy meter with Reduxi Controller
Connect the Iskraemeco AM550 to the Reduxi Converter and add it in the Reduxi Configurator.

Device setup guides
All step-by-step guides for connecting devices to the Reduxi Controller

List of supported devices
All devices that work with the Reduxi Controller

Strategies for the Reduxi Controller
Energy manager and other strategies explained