

# Documentation

## ConMod P1 Manual

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**ConMod P1Modbus**  
Meter P1 to Modbus RTU/TCP converter

ConMod P1Modbus is a small-size industrial protocol converter for smart Meters with P1 interface output to convert meter data into industrial standard protocols Modbus RTU and Modbus TCP with interfaces RS485 and Wi-Fi (2.4GHz).

Designed to convert smart meter data into the most popular industrial protocol Modbus. The solution perfectly fits for integration with energy management systems, remote monitoring, SCADA, etc.

ConMod P1Modbus is compatible with the IEC61850 interface and supports different data formats of data formats. Also, ConMod P1Modbus has a menu to show 64KB data (P1 data) from the smart meters to enable comparison of converted data in Modbus register.

ConMod P1Modbus is designed for industrial applications with mind to be able to disable Wi-Fi or avoid illegal communication over Wi-Fi network projects.

Easy configuration using Wi-Fi via smartphone or PC (Android/iOS).

Indication about P1 interface, RS485, and Wi-Fi data on the built-in LEDs:

- Both Modbus RTU and Modbus TCP are available at the same time.
- Debug information about P1 telegram available with every data frame from Smart Meter.
- Support different meters with IEC61850 interfaces like S420MCM and others.
- Easy to change Modbus Slave ID and serial communication speed.
- Built-in terminating resistors for RS485.
- Possibility to provide power for protocol converter from P1 interface as well from external power supply.
- External Wi-Fi antenna with SMA connection.
- Wi-Fi on/off switch.
- Communication port RS485, Wi-Fi (2.4GHz 802.11n).
- Modbus RTU, Modbus TCP protocols.

**Applications**

- Energy management
- Solar energy production
- Wind energy production
- Hydro energy production
- Energy storage applications
- EV charging applications
- Energy sub-metering applications

**Technical documentation**

**Ordering**

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