



PRODUCT OVERVIEW

HAN & P1 Port Modbus Converter

RST-HP485-03

A DIN-rail gateway that reads European smart meters through their P1 or HAN consumer interface and republishes the data as standard Modbus RTU over RS-485. One unit covers both interfaces, so a single part number serves installations across several markets.

Two paralleled RS-485 sockets allow the unit to be looped into an existing bus without a separate wiring block, and two dry-contact alarm outputs signal faults directly to a panel or building management system.



Key features

- Dual meter input: P1 (RJ12) and HAN (RJ45), side by side
- Two RS-485 sockets, internally paralleled for daisy-chaining
- Modbus RTU slave, 9.6 to 115.2 kBd, meter emulation profiles
- Two dry-contact alarm outputs on a pluggable terminal block
- Six front-panel indicators, readable once the unit is wired
- Full configuration and diagnostics remotely over RS-485
- Timestamped event log with CSV and Excel export
- 2-module (35 mm) DIN housing, IP20, RAL 7035

Specifications

Meter inputs	P1 (RJ12 6P6C) and HAN (RJ45 8P8C), DSMR, eMUCS and Nordic HAN
Bus output	2 x RJ45 8P8C, RS-485 half duplex, internally paralleled
Protocol	Modbus RTU slave, 9.6 to 115.2 kBd, 8N1 or 8E1, address 1 to 247
Alarm outputs	2 x dry contact, 2 A / 30 V DC, normally open or closed
Configuration	4-way DIP on the base, recessed reset, full remote setup over RS-485
Supply	5 V from the meter port, or 5 to 30 V DC auxiliary
Isolation	Galvanic isolation between the meter side and the bus side
Dimensions	35 x 90 x 66 mm, 2 DIN modules, IEC 60715 (TH35) rail
Environment	-25 to +60 C, 0 to 95 % RH non-condensing, IP20
Compliance	CE, RoHS

Typical applications

- Residential and commercial energy monitoring
- Sub-metering and tenant billing data collection
- Building management and SCADA integration
- EV charging, solar and battery site controllers
- Demand response and load management
- Retrofit of legacy Modbus panels to smart meter data

More information

For the full datasheet, pricing, availability or an evaluation unit, raise an enquiry through our website or email our sales team.

Enquiries: www.rstesolutions.com/contact **Email:** sales@rstesolutions.com