



PRODUCT OVERVIEW

M-Bus Master Gateway

RST-MBG-60

A DIN-rail industrial gateway that acts as an M-Bus master, collecting consumption and diagnostic data from heat, cooling, water, gas and electricity meters, decoding the variable-length telegrams and publishing the values as standard Modbus RTU, Modbus TCP and MQTT JSON.

It removes the complexity of proprietary M-Bus telegram parsing for SCADA, PLC, building management and cloud IoT platforms: meters are discovered automatically and their values appear as ordinary registers or JSON topics.



Key features

- M-Bus master for up to 60 unit loads, short-circuit protected
- Automatic meter discovery, primary and secondary addressing
- Decodes EN 13757-3 variable data structure and OMS telegrams
- Heat, cooling, water, gas and electricity meters
- Modbus RTU, Modbus TCP and MQTT JSON published simultaneously
- Web configuration interface over HTTPS, USB-C service port
- Timestamped event log with CSV export and store-and-forward
- 2-module (35 mm) DIN housing, pluggable terminals, IP20

Specifications

M-Bus master	EN 13757-2, up to 60 unit loads, 300 to 9600 Bd, auto baud detect
Meter support	EN 13757-3 and OMS; heat, cooling, water, gas and electricity
Addressing	Primary 1 to 250, 8-digit secondary, wildcard scan and auto discovery
Serial output	RS-485, Modbus RTU slave, 1.2 to 115.2 kBd, 8N1 or 8E1
Network output	10/100 Ethernet, Modbus TCP and MQTT with JSON payloads over TLS
Configuration	Web interface over HTTPS, USB-C service port, Modbus registers
Indicators	5 LED status panel; M-Bus lamp shows loop activity and loop fault
Supply	9 to 36 V DC, reverse polarity protected
Isolation	M-Bus, RS-485 and Ethernet mutually galvanically isolated
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. CE, RoHS

Typical applications

- District heating and cooling substations
- Water and gas utility data collection
- Tenant sub-metering and billing
- Building management and SCADA integration
- Industrial plant energy monitoring
- Cloud IoT platforms via MQTT

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.rstelesolutions.com/contact **Email:** sales@rstelesolutions.com