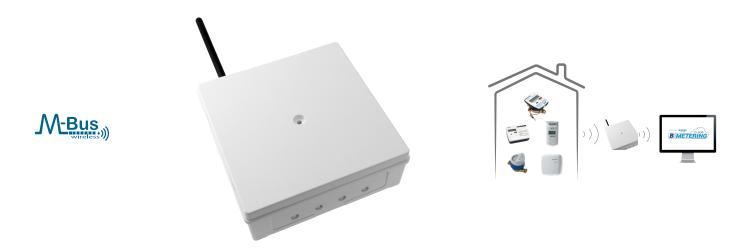mod.
RFM-C4

Wireless M-BUS concentrator

M-Bus
wireless

Description

The RFM-C4 is a gateway that collects data sent by wireless MBus devices and retransmits them via CAT1/4G signal and MQTT protocol. Consumption data and information sent by B METERS devices equipped with a Wireless M-Bus interface are collected by the RFM-C4 concentrator and sent to a BMeters portal. Through the portal it is possible to set the SMTP and/or FTP EMail sending of data received from the concentrator. The email contains the file of the telegrams collected in .txt and/or .csv* format and is forwarded to up to five different addresses with hourly*/daily/weekly/monthly frequency. The device is configured using a PC connected via USB-C cable to the RFM-C4 concentrator.

Technical features

Radio Interface	WMBUS EN13757-4 868 MHz , T+C mode (input)
Modem interface	CAT1 / 4G
Data Transmission	MQTT 3.1
Antenna	1/2 λ Rubber antenna (wM-Bus)
Internal memory WMBUS telegrams	Up to 2000 telegramms
WMBUS - signal Range	Up to 300 m**
Power Supply	100-305 VAC 50-60 Hz or 2xER-34615***
Maximum Consumption	CAT1/4G Typical 120 - 150 mA in transmission Max 600mA
Size (hxlxp)	150 x 150 x 53 mm (without antennas)
Temperature Range	-30°C / +50°C
Protection Class	IP 40
Report Format	.txt, .csv, .xml*
Report Planning	Hourly* / Daily / Weekly / Monthly
Report Download	SMTP Mail (FTP client, Webserver future support)

*To enable the csv sending and hourly sending functions on the portal, it is necessary to use your own SMTP server.

** under optimal conditions

*** Lithium < 5g/cell, UN3091 class 9 (maximum battery life 7 years)