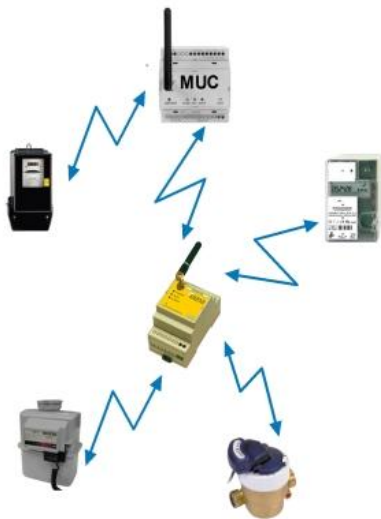


Wireless M-Bus / OMS Repeater

Key Features

- Wireless M-Bus Repeater according to EN 13757-4
- DIN rail housing
- Repeating algorithm according to OMS volume 2 v1. 0. 6
- Independent sending of data telegrams for device management
- Range * up to 400 m
- Easy configuration, push-button installation
- Reception and forwarding mode separately adjustable



Description

AMB8666-M-RP1 is a compact unidirectional Wireless M-Bus Repeater. Up to 50 incoming wireless data telegrams are stored and forwarded with delay according to specification. In addition, the device generates its own telegrams for the purpose of device management, as well as corresponding receipts to support the installation mode.

All transmission parameters permitted by the standard/specification are configurable by means of rotary coding switches. The Repeater attains a RF range * of up to 400 m at line-of-sight.

Fields of Application

The product is suitable for Automatic Meter Reading (AMR) applications and serves as a wireless repeater according to the OMS Volume 2 V1.0.6 specification.

Specifications

Performance	Range*	Max. 400 m
	RF data rate	- S mode: 32.768 kcps - T mode: 100 kcps
	RF output power	14 dBm
	RF sensitivity	- S mode: typ. -102 dBm - T mode: typ. -96 dBm
General	Supply voltage	5 to 24 V DC
	Power consumption	- Tx: typ. 75 mA - Rx: typ. 50 mA
	Dimensions	98 x 53 x 90 mm
	Operating temperature	-10 to +55 °C
	Weight	< 200 g
	Antenna	SMA antenna connector (50 Ohm)
RF technology	Frequency band	- S mode: 868.3 MHz - T mode: 868.95 MHz
	Modulation	2-(G)FSK
Conformity**	Europe	EN 300 220, EN 301 489, EN 60950, EN 50371

* Range stated is calculated assuming line-of-sight. Actual range will vary based upon specific board integration, antenna selection, and environment.

** CE conformity is only guaranteed when using the antennas AMB1981 or AMB1982.

Ordering information

Item No.	Description
AMB8466-M-RP1	Wireless M-Bus / OMS Repeater
AMB1981	SMA antenna with articulating base
AMB1982	Magnetic mount antenna with SMA connector cable 1.5 m

Contact

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