

USB Dongle W-Mbus AMR

Highlights

- Wireless M-Bus transmitter/receiver
- T1, T2, R1, R2, S1, S1-m, S2 Modes
- Extremely fast and simple implementation
- USB port
- Range up to 200m
- Small size



The **Wireless M-Bus USB dongle** from Adeunis RF is a ready-to-use device which allows to **send and receive radio frames using the Wireless M-Bus protocol**.

This miniaturized transceiver (TX-RX) can **acquire** (RX function) **Wireless M-Bus frames** and transmit them to any collection device and/or data operating system equipped with an **USB** port.

It can also **transmit** (TX function) radio frames destined to a remote equipment and conduct supervision and remote maintenance operations.

The implementation of the receiver is immediate («**plug & play**» system).

This dongle is **power supplied by the device to which it is connected** and allows the collection of the data transmitted in **T1, T2, R1, R2, S1, S1-m or S2 mode**.

Its **868MHz integrated antenna** contributes to its extremely small footprint, while **maximizing performance**.

Our **Wireless M-Bus solution** provides a full compatibility with EN 13757-4:2005 standard.

The combination of **products in the Adeunis RF AMR range** allows you to **create an independent ecosystem** to ensure the emission, transport and collection of consumption indexes using Wireless M-Bus protocol.

Performances

Range : up to 200m
Power : 25mW
RF radiated power : 14dBm
Sensitivity : -117dBm
Frequencies : 868-870MHz
RF data rate : de 4.5/32/100 kbps
Channels : 12

Hardware

Com port : USB
Serial data rate : 115.2kbps

Firmware

Embedded protocol: Wireless M-Bus certified + applicative layer
W-Mbus modes : R1, R2 / S1, S1-m, S2 / T1, T2

Consumption & needs

Power supply : 5V/USB

General information

Operating temperature: -40°C / +85°C
Dimensions: 80 x 20 x 14 mm

Body case : USB dongle
Standard : EN 300-220, EN 301-489, EN 60950,
EN 13757-4:2005

Références

- **ARF8020** DONGLE USB WMBUS AMR

ADEUNIS RF

283 rue Louis Néel - Parc Technologique Pré Roux
38920 CROLLES - France
Tel.: +33 (0)4 76 92 07 77 - Fax: +33 (0)4 76 04 80 87
www.adeunis-rf.com - arf@adeunis-rf.com