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.

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

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

Hardware
- Com port : USB
- Serial data rate : 115.2kbps

General information
- Body case : USB dongle
- Standard : EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005
- Dimensions: 80 x 20 x 14 mm

Références
- ARF8020  DONGLE USB WMBUS AMR

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


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.