AMR - Receiver
Wireless M-Bus

Highlights

- Radio reception of W-MBus consumption indexes
- Installation is extremely simple and fast
- RS232, RS485 serial port, USB port
- Mains power supply
- External antenna
- IP65 standard

The Wireless M-Bus receiver AMR (Automatic Meter Reading) from Adeunis RF is a ready-to-use system allowing to receive consumption data from Wireless M-Bus transmitters AMR or Wireless M-Bus repeater AMR.

This receiver can acquire Wireless M-Bus frames and transit them to any collection device and / or operating data with a RS232, RS485 serial port or USB port.

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

This product is available as a mains power version allowing the collection of data transmitted in T, R and S modes.

The TNC socket can accept any type of 868MHz antenna and deport it so as to optimize the level of reception of radio frames.

Wireless M-Bus performances

- RF sensitivity: up to -117dBm
- Range: up to 1000m line of sight

Wireless M-Bus modes

- T1 (S1, R1 on request)

Serial port interface

- Serial port: RS232
- Serial port: RS485
- USB port
- Data rate: 115.2kbps (8N1)

Consumption & needs

- Supply voltage: 4.5 / 36Vdc

General information

- Operating temperature: -40°C / +85°C
- Dimensions: 145 x 100 x 40 mm
- Case: IP65
- Standards: EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005

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.


References

- ARF7922BA Wireless M-Bus receiver AMR - RS232
- ARF7922CA Wireless M-Bus receiver AMR - RS485
- ARF7922EA Wireless M-Bus receiver AMR - USB