

# AMR - GATEWAY Wireless M-Bus

## Highlights

- Reception of data index via Wireless M-Bus
- Index transmission via GPRS
- Use indoor or outdoor
- Range up to 1000m (Wireless M-Bus)
- Up to 11 years battery life (Li-SOCl<sub>2</sub>)
- IP67 and IK8 standards



The **AMR Gateway** from Adeunis RF is a hub allowing to receive consumption index from meters (Wireless M-Bus protocol) and transmit them to a GPRS network.

The **reinforced housing** (IP67 & IK8), reduced dimensions, allows use in **harsh environments**: outdoor, moisture, shock...

The **AMR Gateway** exists in Mains version as well as Battery version, power supplied via Lithium battery (allows up to **11 years** of autonomy).

Our **Wireless M-Bus** solution provides a full compatibility with EN 13757-4:2005 standard and ensures **interoperability** with all other products using the Wireless M-Bus protocol.

The **GSM/DCS GPRS** interface (E-GSM850/900/1800/1900MHz) conforms to ETSI GSM standards.

**Adeunis RF** has particularly worked on the ease of implementation of a comprehensive solution for data recovery, **allowing a significant reduction in the cost of implementation** and deployment of your meter reading applications.

The optimization of the data retrieval and consumption management is ideally done by coupling our **AMR Gateway** and our modems from the **AMR range**.

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.

## Wireless M-Bus Interface

RF radiated power: 14dBm (25mW)  
RF sensitivity: up to -117dBm  
Range: up to 1000m

## Consumption & needs

Power supply: via Li-SOCl<sub>2</sub> battery or mains version  
Battery life time: up to 11 years

## GPRS Interface

GSM/DCS GPRS Module  
Sensitivity: -106dBm @850/900MHz  
E-GSM850/900/1800/1900MHz (ETSI GSM)  
GPRS class B Class 10  
Internal IMEI

## General information

Operating range: -40°C / +85°C  
Dimensions: 138 x 80 x 58.5 mm  
Case: IP67 & IK8  
Weight : 485 g  
Standards: EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005

## References

- **ARF8011BA** AMR GATEWAY BATTERY / EXT.ANTENNA

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