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 5 years battery life (Li-SOCl2)
• 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 5 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.

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

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

Consumption & needs
Power supply: via Li-SOCl2 battery or mains version
Battery life time: up to 5 years

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

• ARF8011AA AMR GATEWAY BATTERY / INT.ANTENNA
• ARF8011BA AMR GATEWAY BATTERY / EXT.ANTENNA
• ARF8015AA AMR GATEWAY MAINS / INT.ANTENNA
• ARF8015BA AMR GATEWAY MAINS / EXT.ANTENNA