

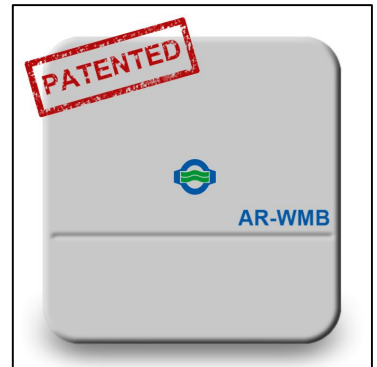
G. GIOANOLA



WIRELESS M-BUS ANTENNA REPEATER AR-WMB



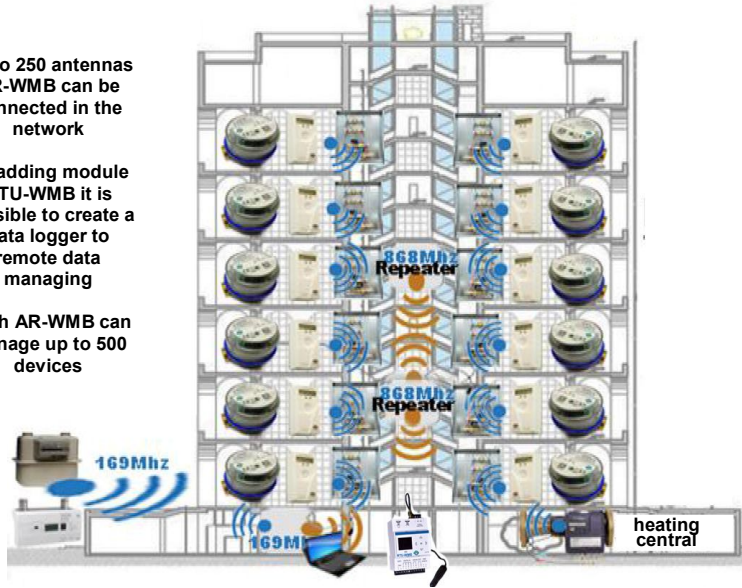
- It works as REPEATER for data coming from wireless M-Bus devices to intermediate port of call
- It is fitted with MESH interface and supports multi-hop to receive and transmit the data
- It can be mounted directly on the wall through screws and, as option, can be mounted on a stand through a specific mounting kit
- The received signals are transmitted immediately without variable time-shifting
- Easy positioning and working mode through strength led signals and mobile power supply via USB gate



Up to 250 antennas AR-WMB can be connected in the network

By adding module RTU-WMB it is possible to create a data logger to remote data managing

Each AR-WMB can manage up to 500 devices



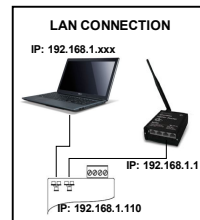
Technical data	
Power supply	110 ... 230 Vac/50-60Hz USB (500mA) when installing/reading data
Maximum consumption	7W max.
Protection grade	IP55 (Optional IP67 with relevant protection kit)
Dimensions	160H x 160L x 35P mm - DIN
Temperature	-10°C +85°C Functioning / Storage
Communication mode	USB (set up and download of instantaneous data - Mod.T1) Wireless M-Bus (C1+T1+T2 / S1+T1 / T1+T2 / T1)
Radio frequency	868Mhz bidirectional (Optional 169Mhz) Wireless M-Bus OMS / DLMS/Cosem
Reference standard	EN13757-4 / EN13757-3 / IEC 62056-5-3:2013
Fieldbus	500 WMBus meters/100 mt open field 20 mt in case of building depending from the building type and electromagnetic polluting conditions
Interfaces for hardware	Led Power operating status 4 Led to display radio signal power 4 Led to display radio transmitting/receiving status

RTU DATALOGGER WIRELESS M-BUS RTU-WMB

- Working as DATALOGGER with WEB server interface
- The web interface (Ethernet gate) allows accessing data, reports generating and downloading, management of local I/O
- It manages up to 500 meters(*) (see table here enclosed)
- It is equipped with a graphical display (multi language to set up with tactile membrane key) to access data and status of local I/O
- It is available with a remote antenna with 1,5 mt cable
- Internal memory for storage of daily readings up to 10 years / 1 year for intra-day data coming from wired meters
- Reading frequency via cable: from 15 min to 24 hours intervals
- Reading frequency via wireless : from 0 min to 24 hours intervals
- 24V AC/DC power supply or Power over Ethernet
- Mounting by 35mm DIN rail (EN 60715)
- N. 2 Ethernet gates than can be switched, in order to connect many devices without network supports and through the dedicated gate it is possible to power supply the device also via Power over Ethernet (PoE)
- N. 3 digital inputs / n. 2 relè outputs to manage logic bases AND/OR on local I/O, email sending (magneto thermal contact or motor protector, leakage detectors, pumps, valves)
- Report creating in .CSV or .XLS format
- Data transmission via SMTP, FTP (client), Web server via LAN or Internet (report generation and download)
- Alarm notification from M-Bus network: anomalies/alarms meters, communication failure, thresholds violation
- It is possible to automatically update the firmware through internet connection
- Remote self system control



* Max number of meters for interfaces	
Wired meters	Wireless meters
250 (with repeat. LCM-B)	250
20	480
0	500



Suitable Wireless Mbus 868 MHz devices



WEBSERVER INTERFACE BUILT-IN

- Web browser Chrome, Firefox or Safari
- System status/events log
- Connected meters and I/O
- Installation date, system configuration, firmware revision, Web interface, system and meters backup

The Company's policy is one of continuous product improvement and the right is reserved to modify the specification contained herein without notice. 02-16



G. GIOANOLA SISMA meters

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