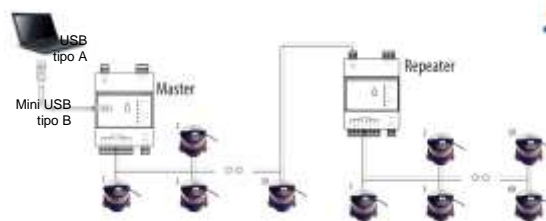**G. GIOANOLA**
METERING EFFICIENCY
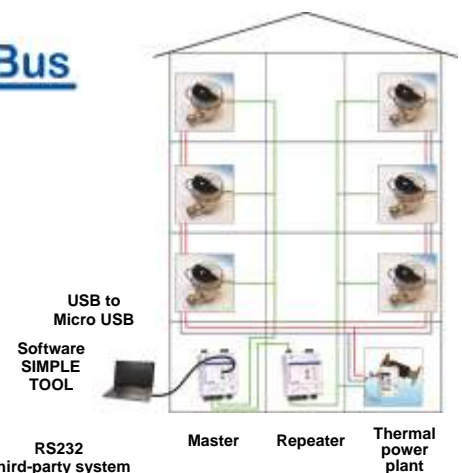
LEVEL CONVERTER M-BUS LCM-B

Suitable for local reading of M-Bus cable networks without need of remote data transmission

- Master function to manage a network of meters with M-Bus cable in compialnce with M-Bus EN13757-2 Physical Layer standard
- It can manage up to 60 devices M-Bus slaves
- It can be used as a repeater in order to unlimited extend an existing M-Bus network via a serial connection of twin modules on a 35mm DIN rail EN 60259 or, as a signal amplifier/regenerator for long distances
- Local memory not available
- Power supply 24Vac/dc
- Local supervision via PC with USB/Micro USB cable and SIMPLE TOOL software to generate reports in .csv or .xls format
- Serial port RS232 allows to talk with third party systems
- Suitable for S.O. Windows XP, Windows Vista, Windows 7, Windows 8
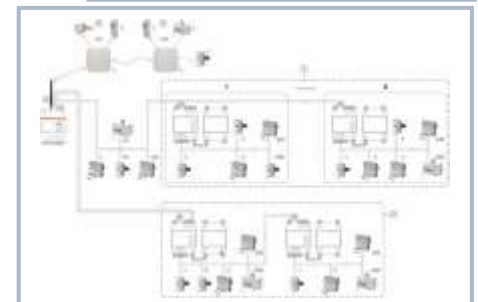- Ability to remotely read M-Bus meters at a later time by adding the RTU-B device

TOPOLOGIA A STELLA   TOPOLOGIA AD ANELLO

NON AMMESSA

MAX 60 DISPOSITIVI

TOPOLOGIA MISTA

MAX 60 DISPOSITIVI

USB tipo A
Mini USB tipo B
Master
Repeater

It is possible to connect many level converters up to a max. 250 devices for each data logger, or each M-Bus single network

M-Bus

USB to Micro USB
Software SIMPLE TOOL

RS232 Third-party system   Master   Repeater   Thermal power plant

RTU DATALOGGER M-BUS WIRED RTU-EVO

- Working as DATALOGGER with WEB server interface
- Connection via Ethernet port for consulting, generating and sending reports, ancillary device management
- Supports up to 2500 radio meters and 500 on two separate M-Bus lines (up to 20 cable meters via integrated M-Bus port).
- 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
- 24 V AC/DC +/- 10% power supply (SEV)
- Mounting by 35mm DIN rail (EN 60715)
- Ethernet port - USB connection for any applications
- 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
- 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

Suitable wired M-Bus devices

WEB SERVER INTERFACE BUILT-IN
- Web Browser Chrome, Firefox, Safari
- System status/events log
- Connected meters and I/O peripheral
- IInstallation date, system configuration, firmware revision, Web interface, system and meters backup