



WEBDYNRF - WIRELESS M-BUS

The WebdynRF platform is dedicated to wireless networks using the Wireless M-Bus radio technology.

Its main functions are the collection of data from meters or sensors and the monitoring of Wireless M-Bus modules.

INSTALLATION

- The first configuration is carried out via the pages of the embedded web server
- Once configuration has been carried out, data collection can start in an automatic and periodic mode
- After synchronising with the remote server, all configurations/actions can be carried out remotely: equipment, data server address, data format, collection frequency, etc.

OPERATION

- Working from a configuration file and the local html interface which describes all the supervised equipments (Wireless M-Bus sensors, serial ports, I/Os, Modbus, M-Bus), the WebdynRF gateway polls and collects the data associated with each equipment item
- Data formatted (xml or csv) and sent periodically through the GPRS or Ethernet network to the Information System

STRONG POINTS

- Plug & Play
- Easy to configure either locally or remotely
- Compatible with RF EndPoints available on the market
- Multi-protocol hard-wired and radio concentrators

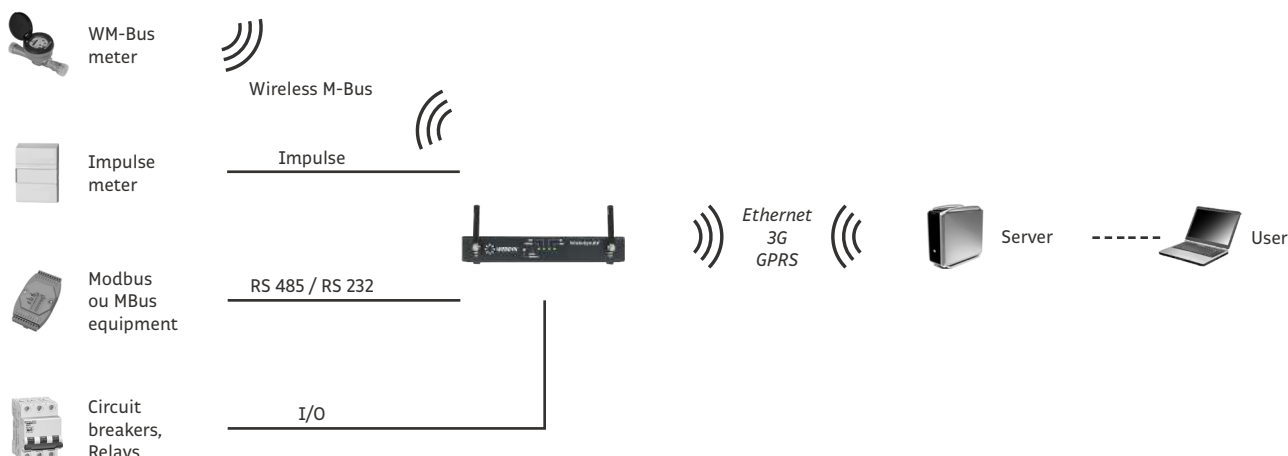
APPLICATIONS

- Remote reading of multi-fluid meters
- Energy-efficient solutions implementation
- RF traceability of objects

BENEFITS

- Reduction in maintenance costs
- Energy efficiency optimisation
- Prediction of multi-fluid consumption

ARCHITECTURE



CHARACTERISTICS

TECHNICAL

- Radio interface : 868/169MHz
- I/O interfaces : 3 digital dry contact inputs - impulse and 1 digital output - relay
- Serial interfaces : 1 Modbus RS485 port and 1 Modbus/MBus RS232 port
- IP network interfaces : Ethernet: 10/100Mbps/s – GSM/GPRS : 850/900/1800/1900Mhz

GENERAL

- Power supply : lithium-ion battery [+12/24v] DC supplied via an external battery (Accessory)
- Internal battery : Li-Ion 650mAh
- external battery : 1 external UPS monitoring via three dedicated dry contact inputs
- T° : operating : -20°C/+70°C - Storage : -20°C/+85°C
- Dimension : 20x12x3,2cm compact metallic box
- RTTE certification : 1995/5/CEEE
- Power consumption : 7W maximum

MONITORING

- Wireless M-Bus sensors network monitoring via S1 and T1 modes dans in 868MHz band or via N mode in 169MHz band
- RS232 serial port (Modbus or M-Bus) monitoring
- RS485 Modbus serial port monitoring
- Three dry contact inputs (digital or impulse) monitoring
- Relay output monitoring

REFERENCES

PRODUCTS

- WG0607-A01: WebdynRF Wireless M-Bus 868MHz/25mW
- WG0607-A11: WebdynRF Wireless M-Bus 169MHz/500mW

ACCESSORIES

- AC0102-02 : 12v external power supply
- AC0103-00 : Rail Din 24V power supply
- AC0201-01 : GPRS bi-bands deported antenna with 5m cable
- AC0201-03 : GPRS bi-bands deported antenna with 10m cable
- AC0201-02 : GPRS bi-bands deported antenna with 20m cable
- AC0301-01 : Rail Din and mural attachment kit



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