WEBDYN

WEBDYNEASY W M-BUS 868MHZ

The WebdynEasy W M-Bus 868MHz hub is designed for wireless networks using Wireless M-Bus radio technology. Its main functions are the standalone collection of data from meters or wireless M-Bus sensors.

INSTALLATION

– Configuration can be applied by: USB, Bluetooth LE or text message.
– Once installed, the product is autonomous in energy thanks to the embedded Lithium battery.
– Once the configuration is complete, deployment can start automatically or by using a magnet.
– After synchronisation with the remote server, all configurations/actions can be run remotely.

OPERATION

– Depending on the configuration, the hub uses regular listening windows to record the frames emitted by the meters and sensors W M-Bus.
– The hub regularly uploads data files to the FTP server using the cellular or LTE-M network.

STRENGHTS

→ Plug & Play Energy
→ Autonomous
→ Battery life up to 10 years
→ Simplified installation and deployment with BLE
→ LTE-M network
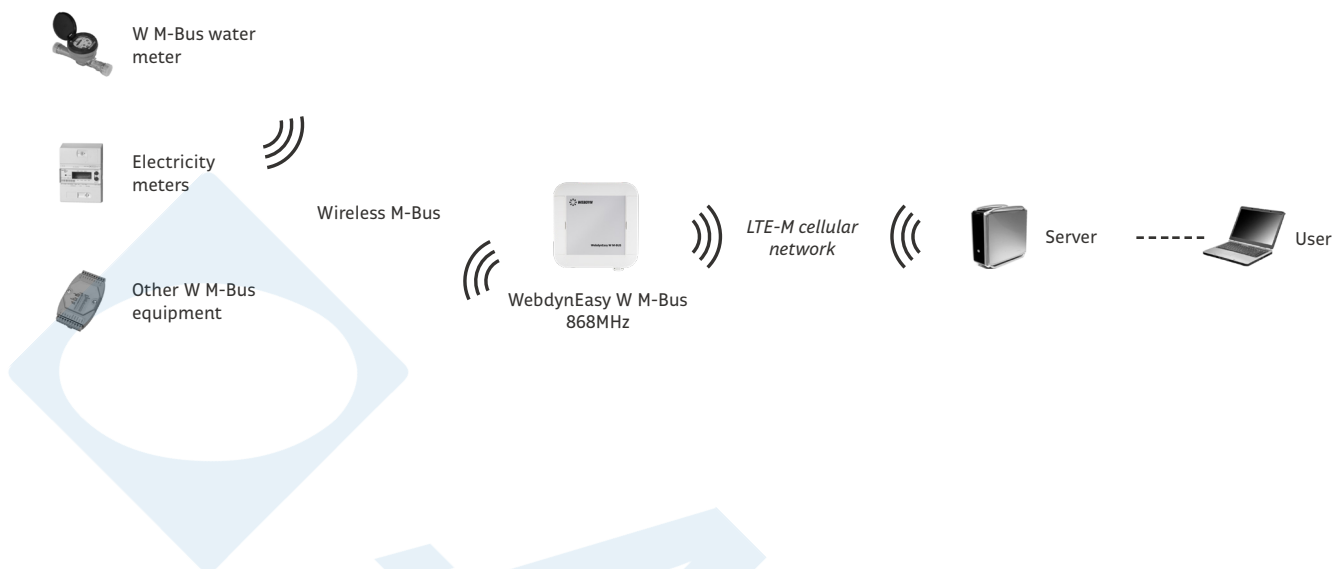→ Compatible with W M-Bus equipment on the market (T1, S1, C1)

APPLICATIONS

→ Remote multi-fluid meter reading
→ Implementation of energy efficiency solutions

BENEFITS

→ Reduced maintenance costs
→ Optimised energy efficiency
→ Anticipated multi-fluid consumption

ARCHITECTURE

W M-Bus water meter

Electricity meters

Other W M-Bus equipment

Wireless M-Bus

WebdynEasy W M-Bus 868MHz

LTE-M cellular network

Server

User

SPECIFICATIONS

TECHNICAL

- W M-Bus 868 MHz radio interfaces (EN13757-4 standard): T1, S1, C1 modes
- Autonomy: up to 10 years on battery with 2min W M-Bus listening per day and one LTEM emission per day
- IP network interfaces: 2G, LTE-M
- FTP protocol(s)
- AES 128 encryption
- Capacity 2000 meters 100 frames/second
- Meter wait list

GENERAL

- Power supply: 7.2V Lithium-ion battery
- External power supply input possible 12V
- Certifications: RED, RoHs; REACH
- Operating temperature: -20°C/+55°C
- Storage temperature: -20°C/+70°C without battery and
- 20°C/+25°C with battery
- Humidity: 25% - 75%
- Power consumption: Pmax 5 W
- Dimensions: 160 x 150 x 55mm
- Weight: 0,600kgs with battery
- Offset antenna
- IP67 box
- Wall-mount with Din Rail option

PRODUCT REFERENCE

- WG0612-A12: WebdynEasy W M-Bus 868MHz, BLE, battery, power supply, IP67