

M-Bus to LORAWAN GATEWAY



IOT FACTORY

M-Bus to LORAWAN Gateway

M-Bus

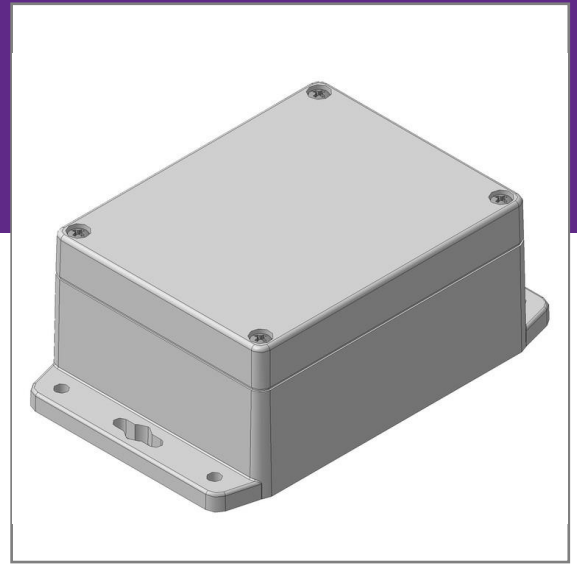
8-24V DC

220V AC

Back-up Battery

Ext. Antenna

M-Bus Master device allowing regular queries of m-bus heat-meter, water meters, electricity or gas meters, decoding and transmission over a LORAWAN Network.



The mBus to LORAWAN **Gateway** is a device that allows you to interrogate one or more energy meters (heat, electricity, gas, water) to the m-Bus standard, to decode and store useful data (**VIF** - value information field) and transmit them through a LORAWAN network.

The m-Bus to LORAWAN converter integrates an m-bus telegram decoder (**DIF** and **VIF** - Data Information Fields and Value Information Field), which makes it possible to filter relevant consumption data to be transmitted, and thus limit the data transferred. A mobile application makes it easy to query an m-Bus meter, retrieve all available data, and then select those that are useful.

The power supply of the converter is flexible: 8-24V DC, 230V AC. A back-up battery is also provided.

USE CASES

m-Bus (meter bus) is the standard of many energy meters:

- Heat-meters,
- Electricity
- Water (hot, cold) meters
- Gas meters

Collect energy metering data for the monitoring, optimization or invoicing of consumptions.

SPECIAL FEATURES

- Universal support of any m-bus meter. Query m-bus meter available data and select relevant ones (DIF, VIF) using a mobile app.
- DC or AC external power supply, with backup battery.
- Flexible metering data collection and transmission.
- External Antenna for optimal radio coverage

Enclosure and Dimensions

Material	ABS Plastic
Ingress Level	IP65
Dimensions	115 x 90 x 55 mm
Weight	≤200 gr
Operating Cond.	T: -20° / +60°C. RH: 0-95%
Mounting	Wall. Screws or Colson
Power Supply	
DC Power	8-24 V DC
or AC Power	220V AC
Backup Battery	18650 Li-Ion 2600 mAh
Configuration	Android Smartphone (BLE)

Interfaces

M-Bus interface	1.
M-Bus Slaves	Up to 5 meters (more: option)
Data Collection	Every 5 to 720 min
Data Tx	Every 5 to 720 min
Internal Storage	Up to 10.000 records
Communication	LORAWAN 1.0.3 Class A
Frequencies	EU868, US915, AS 923
Max Power	Up to 25mW
Sensitivity	-137 dBm
Antenna	External (SMA connector)