

GATE

Gateway wMBus to NB-IoT



- Data Center with Open System Based on wMBus and OMS
- Maximum number of readable devices: 250
- High-performance Wireless M-BUS receiver
- Compatible with all 868MHz Maddalena radio systems
- Data reception/transmission: every 15 days *
- Battery life: 10 years *
- Replaceable battery
- Configurable via Android APP using NFC
- SIM card not included

APPLICATION AREAS

The Maddalena Gateway is an advanced solution for digitizing consumption data collection.

The GATE is a battery-powered device designed for the remote reading of wireless M-Bus equipment dedicated to consumption measurement. Thanks to its wide range of configuration options, it can be tailored to specific application needs and integrates seamlessly into Maddalena's AMR ecosystem.

The NB-IoT Gateway can also be paired with the Maddalena MGRID platform, forming a fully integrated digital solution. This combination optimizes data management processes within AMR systems, ensuring efficient and reliable operation.

TECHNICAL FEATURES

GATEWAY

Interface	NFC (configuration and firmware update)
	Wireless M-Bus (data acquisition)
	NB-IoT (data transmission)
Wireless Antenna M-BUS and GSM	Internal
Configuration	Via "NFC Configurator" app
Number of Connected Devices	250
Data Storage	Non-volatile FLASH memory
Filters	Whitelist for accepted devices
Data Format	RAW (binary/hexadecimal), CSV
Data Transmission	Cloud (UDP, HTTP/HTTPS, LwM2M)
Operating Temperature	-20 ÷ +55 °C
Protection Class	IP67

WEIGHT AND DIMENSIONS

Gateway (without battery)	0,372 Kg
Dimensions (H x W x D)	150 mm x 110mm x 40 mm
Humidity Range	0% ÷ 95%

POWER SUPPLY

Batteries	2 x 3.6 V lithium batteries
Battery Life	10 years (with limited reading and transmission)

Wireless M-Bus

Frequency	868 MHz
Protocol	Wireless M-Bus compliant with EN 13757
Supported Modes	T1; C1; S1

NB-IoT

LTE Band	3, 8, 20
Protocol	Cat NB1
SIM Slot	Micro-SIM (3FF)

