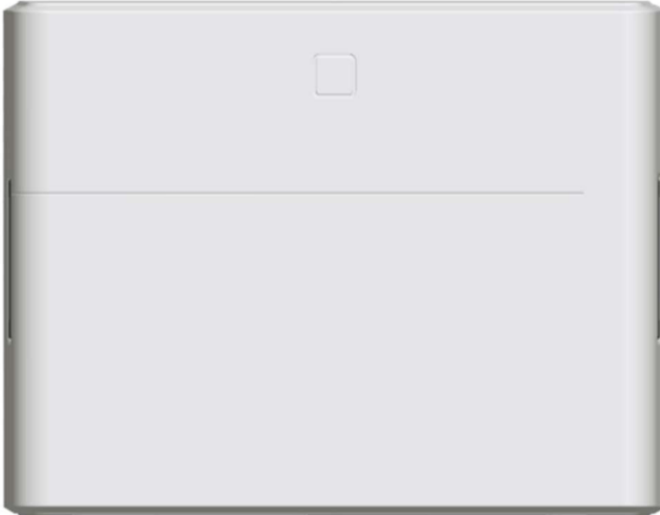
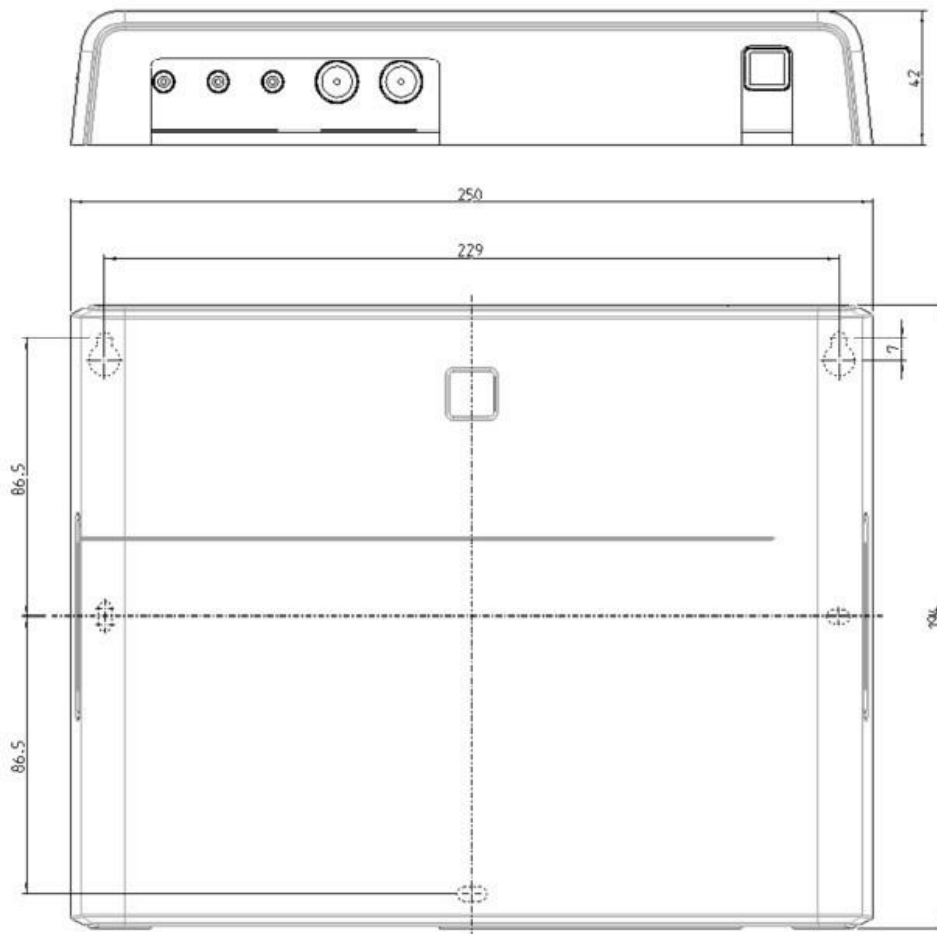


## Wireless M-Bus radio gateway, 868MHz, battery-operated



- Open System Data Centre based on M-Bus and wireless OMS
- Number of devices in battery mode: 1000
- Number of devices in mains-powered mode: 1500
- High Intensity Wireless M-BUS Receiver (LTE Noise Filter)
- Compatible with all Maddalena 868MHz radio systems
- Data transfer: Every 30 days (default)
- Battery life: Up to 10 years (depending on configuration and number of devices)
- Ready for external power supply



**TECHNICAL SPECIFICATIONS**
**Gateway**

Interface (standard)	USB (configuration)
	Wireless M-Bus (data capture)
	GPRS (data submission, firmware update)
M-BUS and GSM wireless antenna	Internal (optional external antenna)
Configuration	With "Device Monitor" software; SMS
Number of devices in battery mode	1000 (400 with XML export)
Number of devices in mains-powered mode	1500
Data storage	Non-volatile flash memory
Filters	Whitelist for accepted devices and blacklist for unwanted devices
Output file format	CSV; XML; RAW
Data transmission	Sending by e-mail; FTP upload
Ambient temperature	20 to 60 °C (battery powered)
	20 to 30 °C (mains supply)
Protection rating	IP65 (GSM)

**Electrical power supply**

May be ordered in either battery or mains powered versions	
Batteries for submetering (visible position)	6 V; lithium batteries
Battery life (two batteries)	5 years (limited reading and transmission)
Mains for monitoring and submetering	Primary 100 to 240V (0.25A)
	Secondary 5V (2A)
Length of electric cable (without plug)	2 m

**Wireless M-Bus**

Frequency	868 MHz
Protocol	Wireless M-Bus compliant with EN 13757-3, -4
Supported modes	T1; C1; S1
Telegrams	Short (compliant with OMS 2.0.0, 3.0.1, 4.0.2)
	Long for Walk-by remote reading
Encryption	AES; 128 bits key length

**GSM/GPRS**

Frequencies	850; 900; 1800; 1900 MHz
Classes	Quad-band GPRS class 10
SIM Slot	Mini-SIM, size 2FF
Output power	Class 4 (2W, 33dBm) at 850, 900 MHz
	Class 1 (1W, 30dBm) at 1800, 1900 MHz
Sensitivity	-107 dBm

**Weight and dimensions**

Gateway (standard, without batteries)	0.520 kg + packaging
Batteries (standard, 2 per gateway)	0.240 kg + packaging
Mains powered (option)	0.220 kg + packaging
Dimensions (W x H x D)	250 mm x 194mm x 42 mm