



LoRa-NRG-Gateway

Item number: 911131238

Features

- Long Range
- LTE CAT-M1 / NB-IoT / 2G
- 24V External power supply



Overview

The LoRa-NRG-Gateway with WM-Bus, Cat-M1 or NB-IoT interface is designed to collect and transmit precise and reliable measurement data. The device is suitable for use in residential and commercial buildings, both indoors and outdoors (IP65). Even in areas with difficult reception conditions for WM-Bus and/or LTE, the LoRa-NRG-Gateway delivers outstanding performance.

The LoRa-Gateway significantly extends the range of data collection by connecting a large number of LoRa sensors over long distances. The LoRa-Gateway is powered by an external or internal power supply unit.

All transmitted data is encrypted according to the highest security standards to ensure data privacy and security and to preserve the anonymity of the collected information. The flexible configuration enables variable intervals, allowing the duration of use to be customised.

Place of use

- Outdoor
- Indoor
- Residential and commercial buildings

Target group

- Measurement service provider
- Housing management
- Planner

Unique selling point

- LoRa NRG gateway with variable backend service



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Technical data

Microcontroller/processor

Processor	
Flash	16MB
SRAM	320kB
ROM	128kB
SRAM in RTC	16 KB

Additional properties

Data sources	External LoRa sensors
Control elements	Reset button Wake up button

Interfaces

LTE	
Frequencies/Bands	GPRS, GSM, LTE Cat.M1, LTE Cat.NB2
WiFi	
Frequencies/Bands	IEEE 802.11b/g/n
Transmission power	2412MHz - 2484MHz
868MHz/ LoRa	
Frequencies/Bands	max. 20.5dBm
Transmission power	868MHz

Mechanical structure

Dimensions	200x200x39mm (+/-1mm)
Protection class housing	IP65 (DIN EN 60529:2014-09; VDE 0470-1:2014-09) ABS PA-
Material	765A

Power supply

Voltage VDC	24V
Power consumption I_{max}	1A
Current consumption P_{max}	4W