



## LoRa-NRG-Gateway

Item number: 911131160



### 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

<b>Processor</b>	
Flash	16MB
SRAM	320kB
ROM	128kB
SRAM in RTC	16 KB

#### Additional properties

<b>Data sources</b>	External LoRa sensors
<b>Control elements</b>	Reset button Wake up button

#### Interfaces

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

#### Mechanical structure

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

#### Power supply

<b>Voltage VDC</b>	24V
<b>Power consumption I<sub>max</sub></b>	1A
<b>Current consumption P<sub>max</sub></b>	4W