

## Edge Gateway

### Edge Gateway G3

Edge Gateway G3 has a high performance Wireless M-Bus receiver module that supports C1 and S1 and T1 mode. The Long range and high sensitivity are achieved by using the newest technology for radio transmitters, in combination with excellent low noise preamplifiers.

Edge G3 Gateway has integrated antennas for GSM/3G and wM-Bus connectivity with cloud based services. The Gateway have wM-Bus connectivity for a large number and variety of wM-Bus sensors and meters. For larger installations the G3 included antenna can be changed to our bigger external antenna for even further enhance the range between meters and the Gateway.



# Kiona

## FIELD OF USE

Apartment and housing co-operations, older buildings, museums, historical buildings.

- Getting control of your building
- Collecting wireless M-Bus sensors and meters
- Increasing energy efficiency and comfort used for heating.
- Metering and billings systems for energy and water consumption.

## MOUNTING

Wall mounted in apartment, stairway, attic or heating central. For improved range mount medium high in the building or in the heating central. Powered with 100-240 VAC. Must be installed by an educated electrician.

## WIRELESS M-BUS

<b>Standards</b>	EN 13757-3/4 OMS 4.0.2
<b>Modes</b>	C-mode, T and S mode.
<b>Capacity</b>	1000 sensors or meters
<b>Frequency</b>	868.3 AND 868.95 MHZ
<b>Sensitivity</b>	-112 dBm S, -109 dBm T/C
<b>Receiver Class</b>	2
<b>Antenna</b>	External

## GSM

<b>Sensitivity</b>	-107 dBm
<b>GSM/3G</b>	850/900/1800/1900/2100 MHz
<b>Sim Card</b>	Embedded SIM
<b>Antenna</b>	Internal

## GENERAL

<b>Power Supply</b>	100-240 VAC/ 50-60 Hz
<b>Directive</b>	CE Approval 2014/53/EU Radio Equipment Directive.
<b>RoHS</b>	2011/65/EU
<b>Temperature</b>	-40°C / +85°C
<b>Material</b>	Light grey, PC
<b>Enclosure</b>	IP67
<b>Cable Gland</b>	M16
<b>Size (WxHxD)</b>	130 x 130 x 50
<b>Weight</b>	320 g
<b>Disposal notes</b>	When disposed of, the edge Gateway shall be recycled and not disposed with domestic waste.

## MAIN FUNCTIONS

Measurement of data in buildings, indoor temperature, humidity, energy, capacity and water usage.

- Operates stand alone and connects over the GSM/3G Network
- Supports on-line live data
- Wide operating range and coverage without repeaters
- Extended range with repeater edge R2, R3, R4
- Secure operation and plug and play activation via QR code
- 230VAC Power supply included
- Requires no batteries or extra external antennas

## PERFORMANCE

The G3 device uses a high-performance Wireless M-Bus receiver module that supports S1 and C1 and T1 mode. Long Range and high sensitivity are achieved by using the latest technology in radio transceivers, this is combined with superb low noise pre-amplifier. The performance in an urban environment where there are lots of radio disturbances from mobile phones, is guaranteed using high performance filtering.