

## Edge M-Bus Master

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Edge M-Bus Master is the easiest way to get your wired M-Bus meters connected to the cloud service Kiona Edge.

The M-Bus master have wired M-bus connectivity for up to four M-bus slaves. The data collected from the M-bus devices is transmitted to the Gateway/Hub with wireless M-bus instantaneously to give you high resolution data.



## FIELD OF USE

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

- Collecting wired M-Bus sensors and meters
- Getting control of your building
- Metering and billings systems for energy and water consumption.

## MAIN FUNCTIONS

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

- Converts Wired M-Bus to Wireless M-Bus.
- Capacity of four Wired M-Bus loads.
- Reading M-Bus slaves every 5th minute.
- Transmission in C-mode and S-mode
- High security with encrypted communication
- Easy installation
- Secure operation and plug and play activation via QR code
- 230VAC Power supply included
- Requires no batteries or extra external antennas

## WIRED M-BUS

|                          |                                 |
|--------------------------|---------------------------------|
| <b>Standards EN</b>      | 13757-2/3                       |
| <b>Capacity</b>          | Four standard M-Bus loads (6mA) |
| <b>M-Bus baud rate</b>   | 2400 Baud                       |
| <b>Reading frequency</b> | Every 5th minute                |

## WIRELESS M-BUS

|                     |  |
|---------------------|--|
| <b>Standards EN</b> | 13757-3/4<br>OMS 4.0.2                         |
| <b>Transmission</b> | C-mode every minute<br>S-mode every 5th minute |
| <b>Frequency</b>    | 868.3 AND 868.95 MHz                           |
| <b>Encryption</b>   | AES128 according to mode 5                     |
| <b>Antenna</b>      | Internal                                       |

## GENERAL INFORMATION

|                       |   |
|-----------------------|---|
| <b>Power Supply</b>   | 100-240 VAC/ 50-60 Hz   |
| <b>Directive</b>      | CE Approval<br>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 M-Bus Master shall be recycled and not disposed with domestic waste. |

## PERFORMANCE

The M-Bus master device uses a high-performance Wireless M-Bus transmission module that supports S1 and C1 mode. Long Range are achieved by using the latest technology in radio transmission.

## MOUNTING

Wall mounted in apartment, stairway, attic or heating central. Powered with 100-240 VAC. Must be installed by an educated electrician.