

CMi-BOX

M-Bus Metering Gateway for Mobile Network



The CMi-Box is a flexible solution for collection of meter values which can be customized to meet each individual customer's needs. CMi-Box is easy to mount and install and is ready to use with any meter following the M-Bus standard protocol. The enclosure provides good protection and can be sealed for extra safety.

FLEXIBLE

CMi-Box can be customized to meet a wide range of customer needs. The product communicates with meters by the M-Bus or the wireless M-Bus protocol. It can be equipped with a CMi2110, an integrated Meter Connectivity Module, to communicate with head-end systems using the mobile network. CMi-Box is available with 24 V or 230 V power supply.

INTEGRATED M-BUS MASTER

CMi-Box can be equipped with an integrated M-Bus Master, which drives up to 8 wired M-Bus slaves.

WIRELESS M-BUS

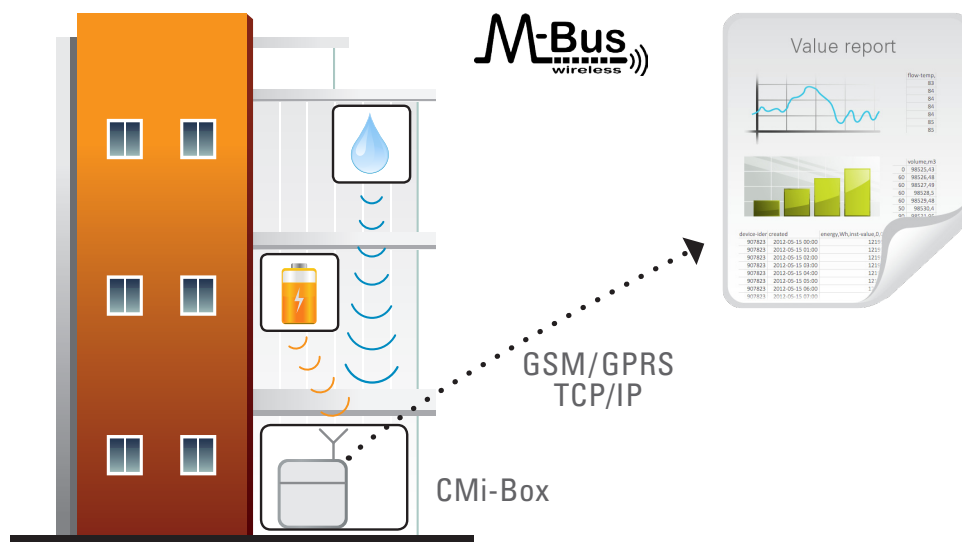
CMi-Box can be equipped with a wireless M-Bus Receiver to be able to communicate with meters using the wireless M-Bus protocol. All wireless M-Bus slaves within range can be automatically detected and configured for operation.

STANDARD OPEN PROTOCOLS

The standard open protocol design allows fast and easy integration into existing billing and reporting systems. Meter value reports can be delivered using FTP, HTTP and email. The email report feature prevents firewall and IT-structure implementation problems.

COST EFFECTIVE

The integrated solution reduces the amount of equipment necessary in field, which lowers both installation and initial setup costs. The quality and the number of options available serve to minimize the overall cost of the product over the course of its life-cycle.



| Product | Art. No | Max. number of wired meters | Max. number of wireless meters | GSM/GPRS | Storage of meter values | External antenna | Power supply | Slave port |
|--|---------|-----------------------------|--------------------------------|----------|-------------------------|------------------|------------------------|------------|
| CMi-Box Wireless M-Bus Int.antenna 24V | 1100117 | N/A | 800 ¹ | No | No | No | 12-35 VAC or 12-48 VDC | Yes |
| CMi-Box Wireless M-Bus Int.antenna 230V | 1100118 | N/A | 800 ¹ | No | No | No | 100-240 VAC | Yes |
| CMi-Box Wireless M-Bus Ext.antenna 24V | 1100119 | N/A | 800 ¹ | No | No | Yes | 12-35 VAC or 12-48 VDC | Yes |
| CMi-Box Wireless M-Bus Ext.antenna 230V | 1100120 | N/A | 800 ¹ | No | No | Yes | 100-240 VAC | Yes |
| CMi-Box Wireless M-Bus GPRS Int.ant 24V | 1100121 | 7 | 128 ² (rec.) | Yes | Yes | No | 12-35 VAC or 12-48 VDC | No |
| CMi-Box Wireless M-Bus GPRS Int.ant 230V | 1100122 | 7 | 128 ² (rec.) | Yes | Yes | No | 100-240 VAC | No |
| CMi-Box Wireless M-Bus GPRS Ext.ant 24V | 1100123 | 7 | 128 ² (rec.) | Yes | Yes | Yes | 12-35 VAC or 12-48 VDC | No |
| CMi-Box Wireless M-Bus GPRS Ext.ant 230V | 1100124 | 7 | 128 ² (rec.) | Yes | Yes | Yes | 100-240 VAC | No |
| CMi-Box Wireless M-Bus GPRS 2 x Int.ant 24V | 1100174 | 7 | 128 ² (rec.) | Yes | Yes | No | 12-35 VAC or 12-48 VDC | No |
| CMi-Box Wireless M-Bus GPRS 2 x Int.ant 230V | 1100156 | 7 | 128 ² (rec.) | Yes | Yes | No | 100-240 VAC | No |
| CMi-Box Wired M-Bus GPRS Ext.ant 24V | 1100150 | 8 | 0 | Yes | Yes | Yes | 12-35 VAC or 12-48 VDC | No |
| CMi-Box Wired M-Bus GPRS Ext.ant 230V | 1100149 | 8 | 0 | Yes | Yes | Yes | 100-240 VAC | No |

1: Please note that CMe3100 currently supports up to 256 slaves (actual number determined by license used)

2: When using the WMBUS GPRS solution, 128 is the recommended maximum number of slaves to use