

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

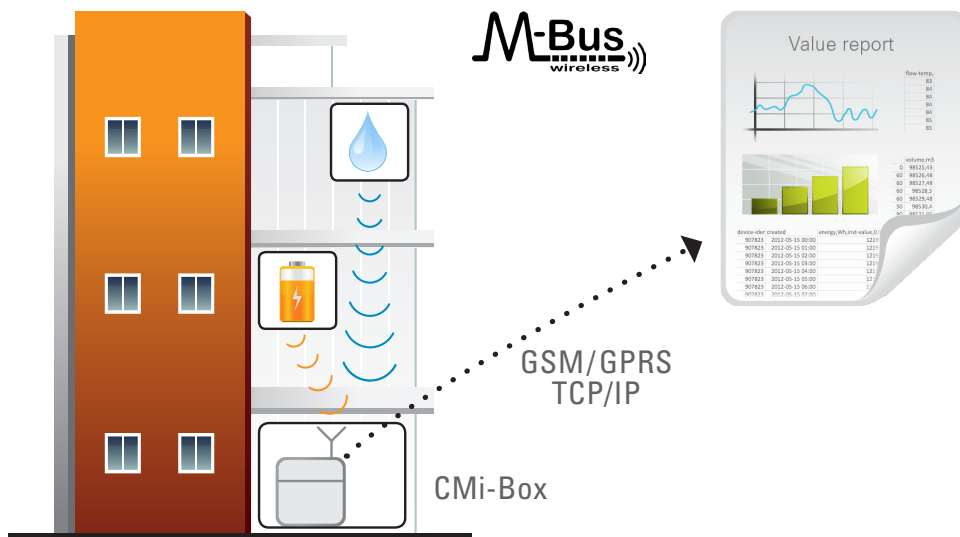
CMi-Box can be equipped with a wireless M-Bus Receiver to be able to communicate with meters using the wireless M-Bus protocol. All wireless M-Bus slaves within range can be automatically detected and configured for operation.

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