

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.

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. For challenging signal conditions, the amplified CMi-Box can be used to increase the sensitivity of the receiver. This makes CMi-Box the perfect option for wireless collection in real estates.

STANDARD OPEN PROTOCOLS

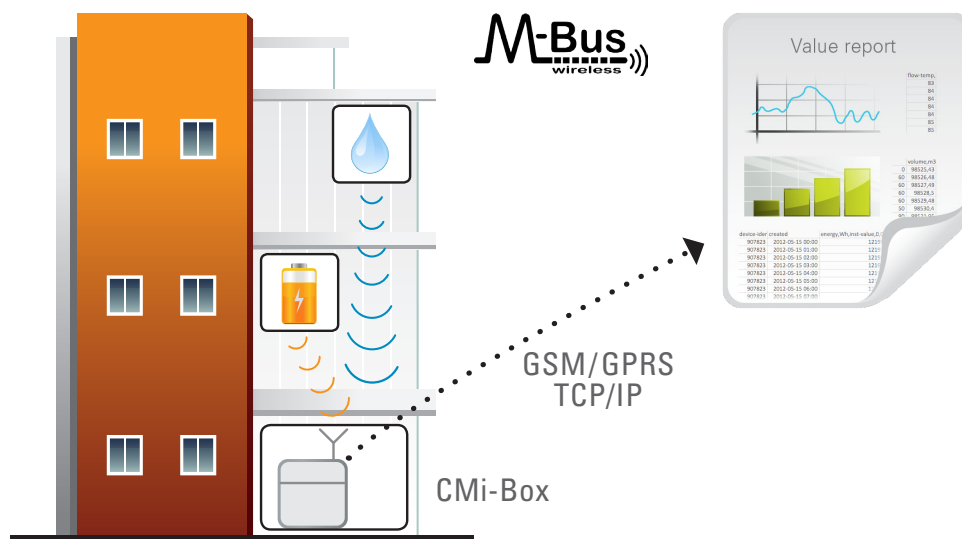
The standard open protocol design allows fast and easy integration into existing billing and reporting systems. Meter value reports can be delivered using FTP, HTTP and email. The email report feature prevents firewall and IT-structure implementation problems.

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.

INTEGRATED M-BUS MASTER

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



Product	Item No.	Antenna GPRS	Antenna WM-Bus*	Power supply
CMi-Box Wireless M-Bus Receiver	1100117	-	Internal	12-35 VAC or 12-48 VDC
CMi-Box Wireless M-Bus Receiver	1100118	-	Internal	100-240 VAC
CMi-Box Wireless M-Bus Receiver	1100119	-	External	12-35 VAC or 12-48 VDC
CMi-Box Wireless M-Bus Receiver	1100120	-	External	100-240 VAC
CMi-Box Metering Gateway, Wireless M-Bus	1100121	External	Internal	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, Wireless M-Bus	1100122	External	Internal	100-240 VAC
CMi-Box Metering Gateway, Wireless M-Bus	1100123	External	External	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, Wireless M-Bus	1100124	External	External	100-240 VAC
CMi-Box Metering Gateway, Wireless M-Bus	1100174	Internal	Internal	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, Wireless M-Bus	1100156	Internal	Internal	100-240 VAC
CMi-Box Metering Gateway, M-Bus	1100150	External	-	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, M-Bus	1100149	External	-	100-240 VAC
CMi-Box Amplified Wireless M-Bus Receiver	1100304	-	Internal	100-240 VAC
CMi-Box Amplified Wireless M-Bus Receiver	1100305	-	External	100-240 VAC
CMi-Box Amplified Wireless M-Bus Receiver	1100306	-	Internal	12-35 VAC or 12-48 VDC
CMi-Box Amplified Wireless M-Bus Receiver	1100307	-	External	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, Amplified Wireless M-Bus	1100308	Internal	Internal	100-240 VAC
CMi-Box Metering Gateway, Amplified Wireless M-Bus	1100309	Internal	External	100-240 VAC
CMi-Box Metering Gateway, Amplified Wireless M-Bus	1100310	External	External	100-240 VAC
CMi-Box Metering Gateway, Amplified Wireless M-Bus	1100311	Internal	Internal	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, Amplified Wireless M-Bus	1100312	Internal	External	12-35 VAC or 12-48 VDC
CMi-Box Metering Gateway, Amplified Wireless M-Bus	1100313	External	External	12-35 VAC or 12-48 VDC

*External Wireless M-Bus antenna ordered seperately