



# M-Bus HUB

M-Bus Gateway LTE



## Your benefits

- Intelligent link between system and M-Bus devices:  
**The new M-Bus Hub leaves nothing to be desired in terms of flexibility and application diversity and makes data integration easier than ever before**
- Flexibility in data transfer:  
**Sending the measured values via email, storing them remotely on servers or querying the data online via the integrated web server are all possible with minimal effort**
- Unique capabilities:  
**With the M-Bus Hub it is possible to seamlessly integrate an M-Bus system into surrounding systems such as building management systems via Modbus TCP, JSON-RPC or REST without additional devices**

## Properties

- Sending data to FTP and https server
- Different versions available with support for 64, 128, 256 devices available
- Different templates available for sending meter data
- Integration of wireless M-Bus radio devices (T & C mode) with CMi-Box
- Supports static IP addressing and dynamic IP addressing
- Configuration changes and ad-hoc readout can be carried out remotely
- M-Bus protocol according to EN 13757-3
- Flexible extension system TCP, JSON-RPC, DLMS/REST

## Applications

- Quick and easy measurement data acquisition incl. integrated statistics functions
- Integration of measurement data into (building) control systems or other peripheral systems
- Complete gateway integration based on DLMS or REST, for example

# Technical data

## Metering Gateway

CMe3100

An M-Bus metering gateway for the fixed network that reads up to 256 meters, compiles the meter data in customer-specific reports and delivers them to a receiving system via the fixed network or mobile radio according to a defined schedule and integration protocol.

## M-Bus extenders (depending on version)

CMeX11S-CM2X13S

Is an M-Bus master that extends the number of meters that a CMe3100 can use by providing additional driver power.

## 4G-Router (optional)

4G / LTE industrial router TRB140  
(1xLAN)

- Compact and reliable router for simple connectivity requirements
- Speeds of up to 150 Mbps download and 50 Mbps upload (Cat 4)
- Ideal for smaller applications with a robust design

4G / LTE industrial router RUT260  
(1xWAN 1xLAN)

- Robust and powerful router for mobile connectivity
- Speeds of up to 300 Mbps download and 50 Mbps upload (Cat 6)
- Advanced network functions such as VPN support
- High reliability and durability for demanding environments

4G / LTE industrial router RUT906  
(1xWAN 3xLAN 1xRS232)

- Powerful router for mobile connectivity in demanding environments
- Speeds of up to 150 Mbit/s download and 50 Mbit/s upload (Cat 4)
- Extended range of functions such as VPN support, GPS, I/O and RS232/RS485 (GPS antenna sold separately)
- High reliability and durability for demanding environments
- Two SIM card slots and failover function, which establishes a fail-safe 4G connection

## Connection interfaces

Antenna 1 x SMA

Ethernet Port 1xRJ45

Digital network interface USB

LED information

(optional) SIM mini card


## Mechanical

Protection class IP66 

Assembly Wall installation

Dimensions 254x361x111mm

## Electrical connections

Power supply	Power grid
Nominal voltage	100-240VAC (+/- 10%)
Frequency 	50/60 Hz
Consumption	<7W

## Bestellinformationen

K127.00001	M-Bus-HUB 32 Devices 32 Loads
K127.00002	M-Bus-HUB 32 Devices 64 Loads
K127.00003	M-Bus-HUB 64 Devices 64 Loads
K127.00004	M-Bus-HUB 64 Devices 128 Loads
K127.00005	M-Bus-HUB 128 Devices 128 Loads
K127.00006	M-Bus-HUB 128 Devices 256 Loads
K127.00007	M-Bus-HUB 256 Devices 256 Loads
K127.00008 - K127.00014	M-Bus HUB with 4G router
K127.00015 - K127.00021	M-Bus HUB with 4G/LAN router
K127.00022 - K127.00028	M-Bus HUB with 4G/LAN/RS232 router

## Accessories

K130.00001	4G / LTE industrial router TRB140 (1xLAN) [included with router variant]
K130.00002	4G / LTE industrial router RUT260 (1xWAN 1xLAN) [included with router variant]
K130.00003	4G / LTE industrial router RUT906 (1xWAN 3xLAN 1xRS232) [included with router variant]
K130.00006	DIN rail power supply 230VAC/12VDC 20W for the router [included with router variant]
SIM-Card	
DBA0.00001	SIM Karte M2M – light
DBA0.00002	SIM Karte M2M – small
DBA0.00003	SIM Karte M2M – medium
DBA0.00004	SIM Karte M2M – large
Antenna	
K130.00007	Magnetic mobile radio SMA antenna 3m [included with router variants]
151.MZ003	Mobile radio antenna 2G/3G/4G to modem, SMA connection, 10m [optionally available]
151.AZ014	Antenna cable to mobile radio antenna, SMA connection, 10m [optionally available]

