



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]