



M-Bus Hub

M-Bus Gateway LTE



Your benefits

- Intelligent link between M-Bus devices and system:
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 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
(1 x LAN)

- 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
(1 x WAN, 1 x LAN)

- 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
(1 x WAN, 3 x LAN, 1 x RS232)

- 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 1 x RJ45

Digital network interface USB

LED information

(optional) SIM mini card


Mechanical

Protection class IP66 

Assembly Wall installation

Dimensions 254 x 361 x 111 mm

Electrical connections

Power supply	Power grid
Nominal voltage	100 - 240 VAC (+/- 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 (1 x LAN) [included with router variant]
K130.00002	4G / LTE industrial router RUT260 (1 x WAN, 1 x LAN) [included with router variant]
K130.00003	4G / LTE industrial router RUT906 (1 x WAN, 3 x LAN, 1 x RS232) [included with router variant]
K130.00006	DIN rail power supply 230 VAC / 12 VDC 20 W 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 3 m [included with router variants]
151.MZ003	Mobile radio antenna 2G/3G/4G to modem, SMA connection, 10 m [optionally available]
151.AZ014	Antenna cable to mobile radio antenna, SMA connection, 10 m [optionally available]