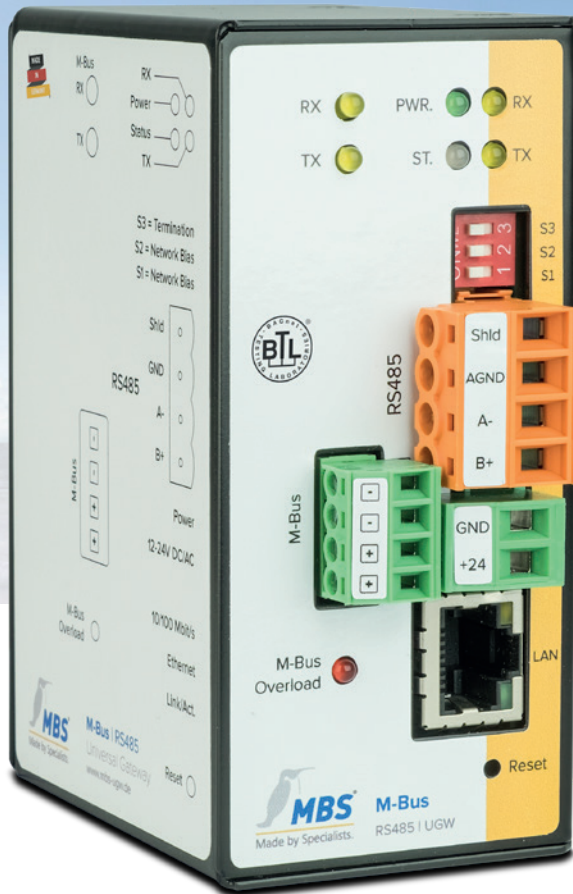


Double-X

# M-Bus - Universal Gateway

The Gateway solution for your business



- M-Bus Inside
- 25-2.500 data points
- Autoconfig for M-Bus
- Webinterface
- real time clock
- Upgradeable
- Dropbox (Option)
- ARM9 Processor



## M-Bus Gateway

Increase productivity and reduce costs

The MBS gateways are based on the same product platform and therefore offer an extraordinary degree of versatility and flexibility: new gateway purchases are rendered unnecessary because the devices' adaptability means new functionalities can simply be activated. The integrated M-Bus-adapters make the usual external bus couplers unnecessary, reducing the amount of wiring required and enabling faster connection to serial or network-based communication protocols. The integrated M-Bus driver allows you to automatically scan the M-Bus counters - autoconfig for BACnet, PROFINET and Modbus.

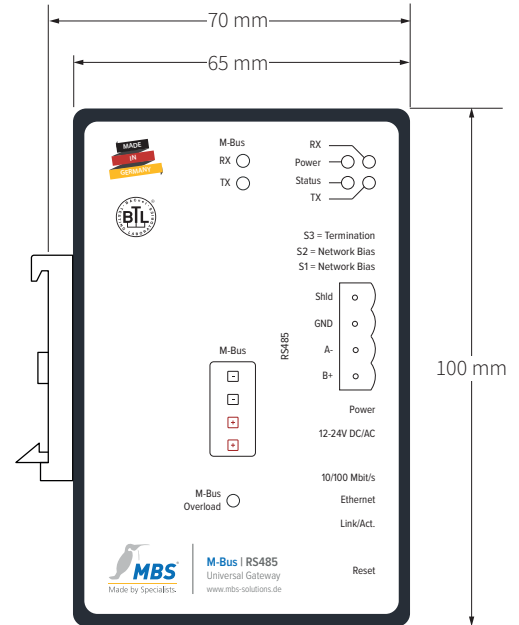
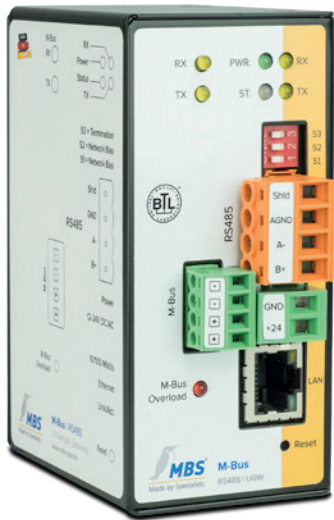
Version: 2017/1



MORE INFORMATION: [MBS-SOLUTIONS.DE](http://MBS-SOLUTIONS.DE)

# Double-X M-Bus - Universal Gateway

## Specifications



### Standard

#### LAN

RJ45: 10/100 MBit Ethernet  
Link: indicates a LAN connection  
10/100: Indicates the connection speed

#### PWR - Power

Power supply  
V+: +12 to +24V DC or 12 to 24V AC  
V-: GND or 12 to 24V AC

#### LED

Power: Illuminated as soon as the device is connected to a suitable operating power supply  
ST.: Multicolor status LED  
RX: Flashes when the device is receiving data  
TX: Flashes when the device is sending data

### VERSION RS232

#### COM1

RS232  
TXD: Sending line  
RXD: Receiving line  
GND: Ground connection  
Shld: Shielding

#### DIP-switch

1: Not used  
2: Not used  
3: Not used

### VERSION RS485

#### COM1

RS485  
B+: Non-inverted input  
A-: Inverted input  
GND  
Shld: shielding

### DIP-switch

Bias: voltage  
Bias: voltage  
120 Ohm: Termination resistance

### M-Bus

#### M-Bus

+ M-Bus Connection  
+ M-Bus Connection  
- M-Bus Connection  
- M-Bus Connection

### Integrated M-Bus level converter

For up to 30 standard loads max . 1.5mA , Master mode

### LED

M-Bus RX  
M-Bus TX  
M-Bus Overload

### Specification

Power consumption: 3.1 to 5.7 watts ( 1 to 30 M-Bus loads connected )  
Weight: 300 Gramm  
Dimensions: Height: 100mm, Width: 48 mm, Depth: 70mm (inclusive DIN-Top-hat rail asapter)  
Ambient temperature: 0...45°C, 32...113°F  
Ambient humidity: 20...80 percent relative humidity, non-condensing  
Assembly: DIN top-hat rail TS35 in accordance with EN 60715

Imprint: **Managing Director:** Martin Brust-Theiß, Gerhard Memmen-Krüger, Nils-Gunnar Fritz  
**Register court:** Krefeld HRB 3337, Ust.-IdNr.: DE 120 148 529, Headquarters: Krefeld  
**Responsible for contents according to § 6 MDSIV:** Martin Brust-Theiß, Gerhard Memmen-Krüger, Nils-Gunnar Fritz

\*This product is CE certified  
\*Specifications subject to change

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