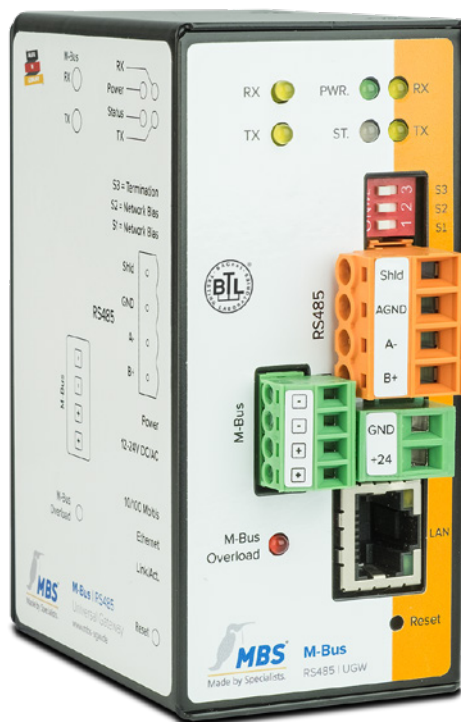


# THE GATEWAY SOLUTION FOR YOUR BUSINESS



## M-Bus

**Increase productivity and reduce costs**

The MBS universal 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.

Based on our modularity, we develop and manufacture cost-effective and time-efficient solutions for you which are highly innovative and guarantee a secure investment. Take advantage of the expertise we have accumulated over more than 30 years and our experience of customer projects in various industries.

### 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

### Reset

Reset button

### Version RS232

COM1  
RS232  
TXD: Sending line  
RXD: Receiving line  
SGND: Ground connection  
Shld: Shielding

### DIP-Switch

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

### Version RS485 (Isolated 1kV)

COM1  
RS485  
B+: Non-inverted input  
A-: Inverted input  
SGND: Ground connection  
Shld: shielding

### DIP-Switch

Bias: voltage  
Bias: voltage  
120 Ohm: Termination resistance

### M-Bus

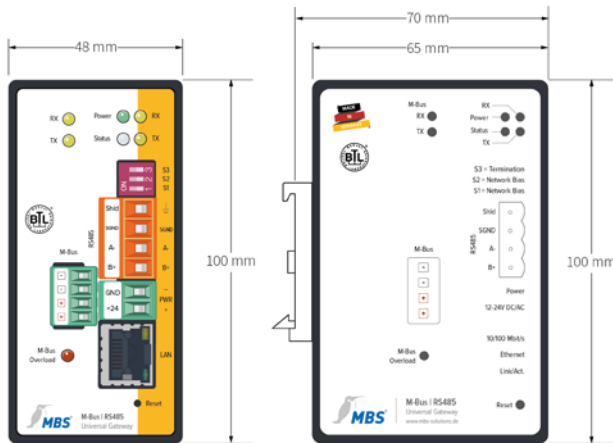
+: M-Bus Connection  
+: M-Bus Connection  
-: M-Bus Connection  
-: M-Bus Connection

### Integrated M-Bus level converter

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

### LED

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



Please ensure that your gateway is configured before it is put into operation.

Need help with configuration?  
Contact us!

+49 21 51 72 94-0  
vertrieb@mbs-solutions.de

### Specifications

**Power consumption:** 3.1 to 5.7 watts (1 to 30 M-Bus loads connected)  
**Weight:** 300 grams  
**Dimensions:** height: 100 mm, width: 48 mm, depth: 70 mm (incl. DIN top-hat rail adapter)  
**Ambient temperature:** 0...45°C, 32...113°F  
**Ambient humidity:** 20...80 per cent relative humidity, non-condensing  
**Protection class:** IP20  
**Assembly:** DIN top-hat rail TS35 in accordance with EN 60715

### Article numbers

**M-Bus with 25 DP: RS-485:** Art.-Nr. 11-0068 **RS-232:** Art.-Nr. 11-0077  
**You need more than 25 data points?**  
**up to 200 DP:** Art.-Nr. 13-0002 **up to 500 DP:** Art.-Nr. 13-0003  
**up to 1.000 DP:** Art.-Nr. 13-0004 **up to 2.500 DP:** Art.-Nr. 13-0005

Please remember to include the required communication protocols in your order.

Imprint: **Managing Director:** Gerhard Memmen-Krüger, Nils-Gunnar Fritz  
**Register court:** Krefeld HRB 33 7, Ust.-IdNr.: DE 120 148 529, Headquarters: Krefeld  
**Responsible for contents according to § 6 MDSV:** Gerhard Memmen-Krüger, Nils-Gunnar Fritz

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



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