# THE
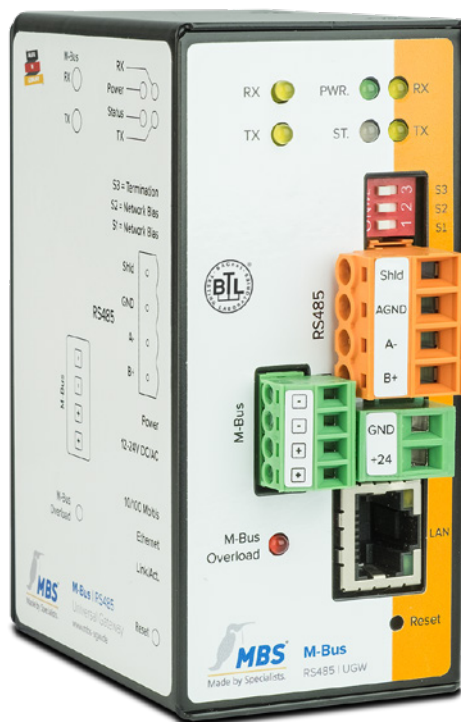# GATEWAY SOLUTION
# FOR YOUR BUSINESS



## 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-adapter 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.

**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
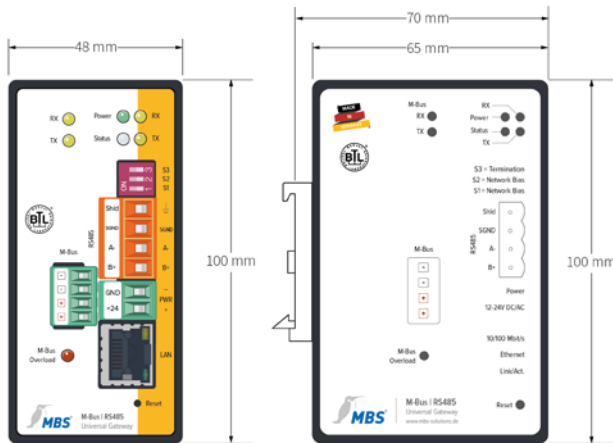Bias: voltage
120 Ohm: Termination resistance

**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



# .info

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.

*This product is CE certified
*Specifications subject to change