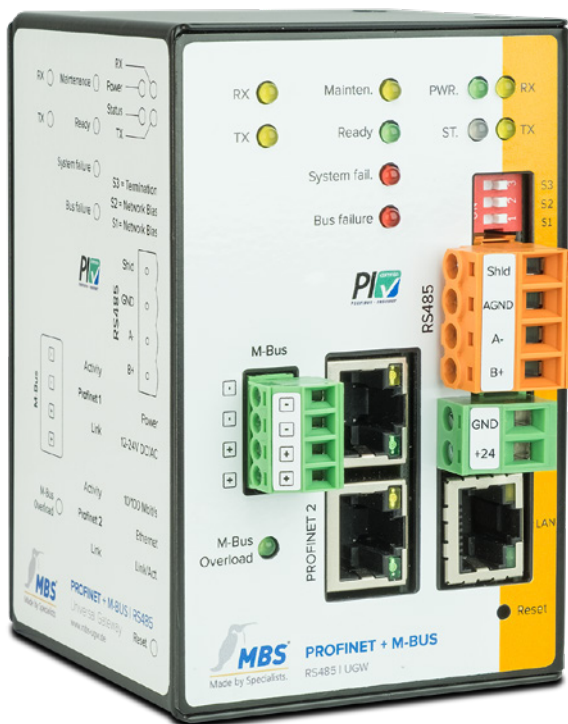


THE GATEWAY SOLUTION FOR YOUR BUSINESS



PROFINET + 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 PROFINET + 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.

Communication S7-CPU with PROFINET + M-Bus

Are you looking for an application description for communication between a SIMATIC SPS and an MBS gateway model PROFINET + M-Bus in a BACnet network?

For information on the configuration of SIMATIC SPS and PROFINET + M-Bus Gateway, please see the Siemens Support page or download the corresponding information there.

This application example demonstrates how to configure communication between a SIMATIC SPS and a BACnet network with a gateway project.

DE: <https://support.industry.siemens.com>

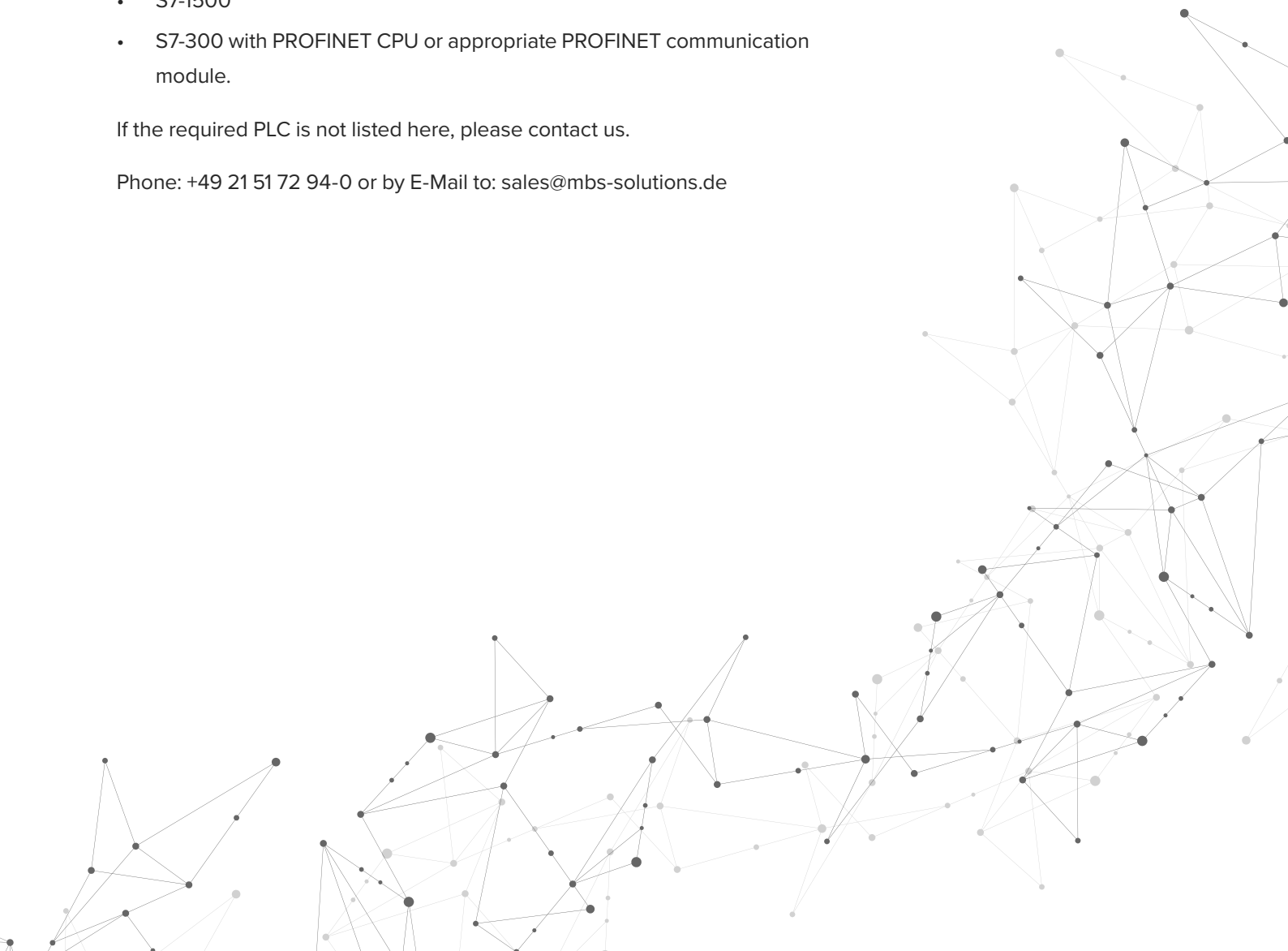
EN: <https://support.industry.siemens.com>

We support the following Siemens control systems:

- S7-1200
- S7-1500
- S7-300 with PROFINET CPU or appropriate PROFINET communication module.

If the required PLC is not listed here, please contact us.

Phone: +49 21 51 72 94-0 or by E-Mail to: sales@mbs-solutions.de



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

PROFINET 1

Profinet Version 2.3 RT | Activity | Link

PROFINET 2

Profinet Version 2.3 RT | Activity | Link

LED

Profinet maintenance, configuration
Profinet Ready
Profinet System error
Profinet Bus error

M-Bus

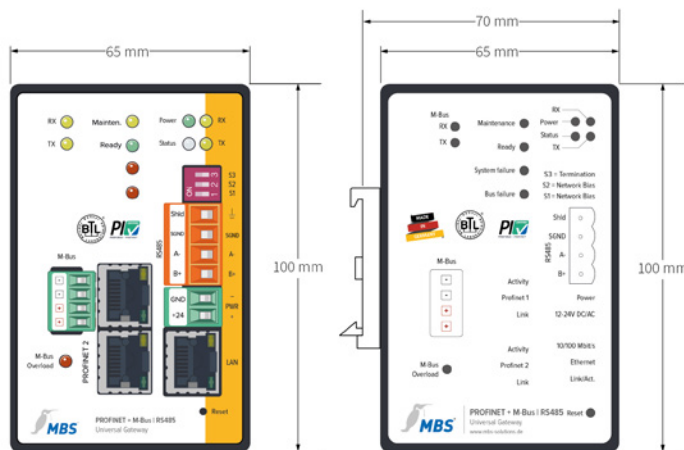
+: M-Bus connection
+: M-Bus connection
-: M-Bus connection
-: M-Bus connection

LED

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

Integrated M-Bus level converter

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



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: 5,5 watts
Weight: 400 grams
Dimensions: height:100 mm, width:65 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

PROFINET+M-Bus with 25 DP: RS-485: Art.-Nr. 11-0069 **RS-232:** Art.-Nr. 11-0085

You need more than 25 data points?

up to 200 DP: Art.-Nr. 13-0002

up to 1.000 DP: Art.-Nr. 13-0004

up to 500 DP: Art.-Nr. 13-0003

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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