

# THE GATEWAY SOLUTION FOR YOUR BUSINESS



## PROFINET

**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-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.

# Communication S7-CPU with PROFINET

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

For information on the configuration of SIMATIC SPS and PROFINET 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>

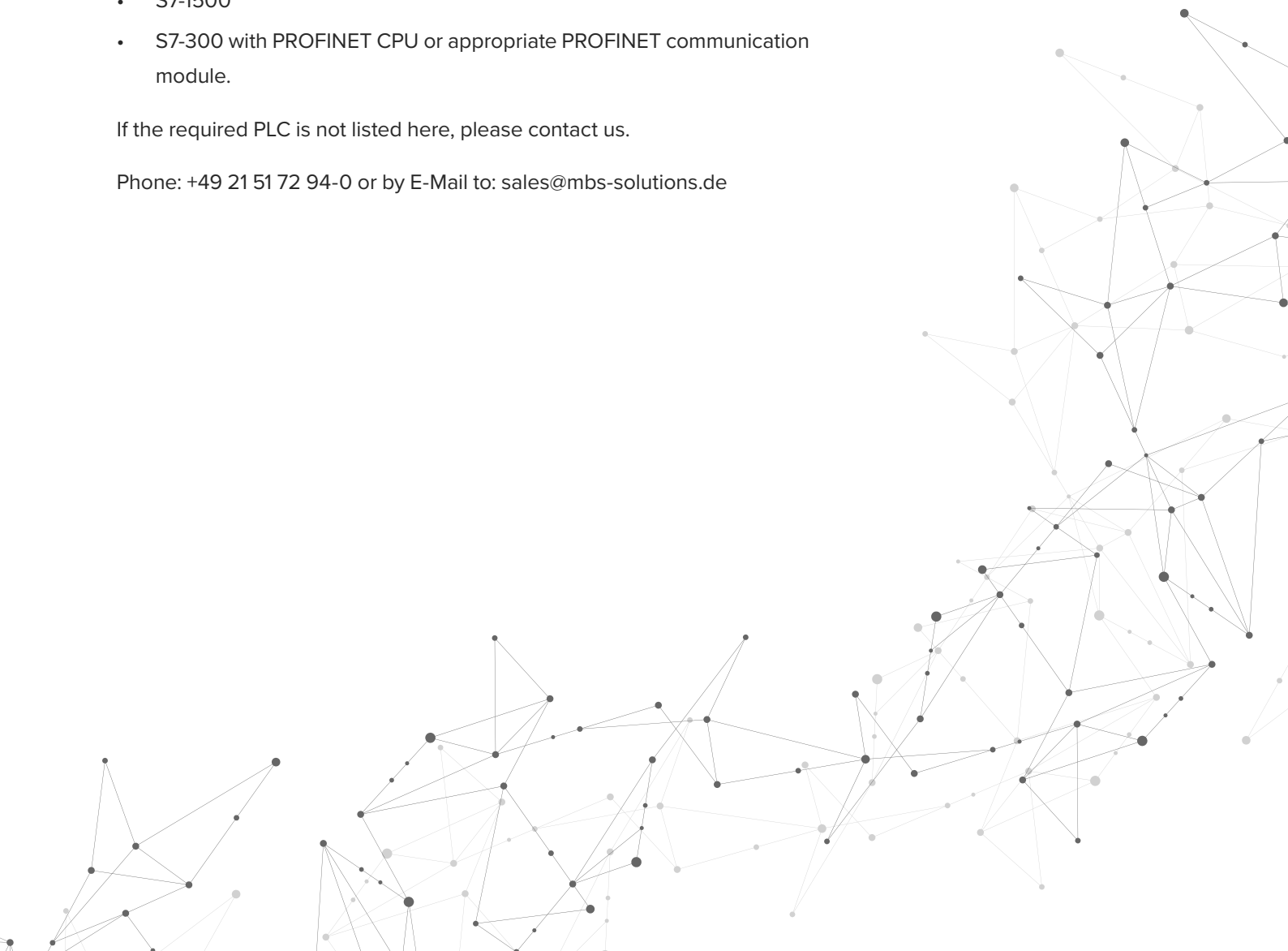
EN: <https://support.industry.siemens.com>

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](mailto: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

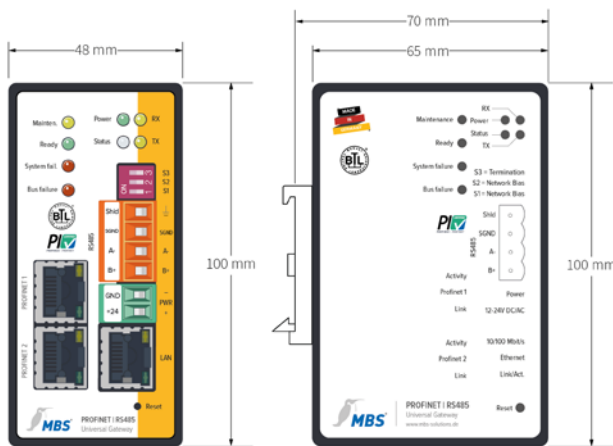
Profinet Version 2.3 RT | Activity | Link

## PROFINET 2

Profinet Version 2.3 RT | Activity | Link

## LED

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



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:** 2.9 watts  
**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

**PROFINET with 25 DP: RS-485:** Art.-Nr. 11-0055 **RS-232:** Art.-Nr. 11-0078  
**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



MBS GmbH  
Römerstraße 15 | 47809 Krefeld  
Tel. +49 21 51 72 94-0 | info@mbs-solutions.de

