

# PROFIBUS Ethernet Gateways

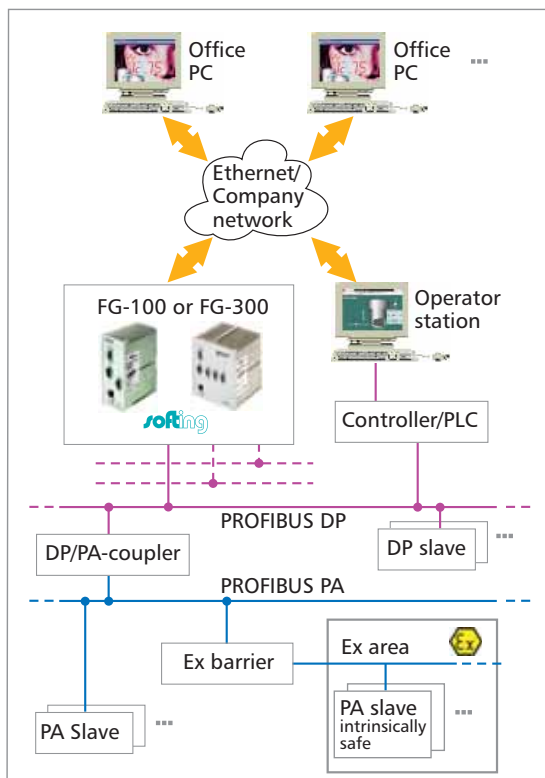
Access a PROFIBUS Network  
over Ethernet

## Your Requirement

Your requirement states that your operator HMI and control system must have access to a remote PROFIBUS network that runs the latest version of the PROFIBUS standard. At the same time you have to take budget constraints into account and look for a solution that is economical yet powerful.

## Our Solution

Softing offers single- and multi-channel PROFIBUS Ethernet gateways for a wide variety of applications including device configuration, data collection for SCADA systems, and distributed control systems. A common API between Softing's powerful line of PROFIBUS interface boards and Softing's gateway solutions promotes a swift enhancement of existing applications.



Typical system architecture: PROFIBUS Ethernet gateways from Softing allow various PCs to access all PROFIBUS devices – regardless of the controller

## Product Information



## Your Benefits

- Simultaneous access for multiple applications to a PROFIBUS network
- De facto standard for device parameterization with FDT/DTM, regardless of manufacturer or device class
- Select the number of PROFIBUS channels that fits your needs
- Access data simultaneously to existing control systems
- Viable alternative for connecting control systems to Ethernet
- Rapid integration through simple user interface and OPC server
- Numerous sample applications for various development environments and programming languages
- Customer-specific adaptations for optimal integration in your environment

## Our Experience

Benefit from our extensive experience with fieldbus systems and our large install-base. Softing is an independent company and a leader in providing key technology components to manufacturers of fieldbus devices. We actively participate in all major fieldbus standard working groups and take pride in continually improving our offer to meet new requirements. At the same time we ensure backwards compatibility so your investment with us includes the opportunity to enhance your existing product with the latest technology.

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## Product Information

**PROFIBUS Ethernet Gateways: Access a PROFIBUS Network over Ethernet**

## Supplemental Software Products for Softing PROFIBUS Ethernet Gateways

OPC-PB	PROFIBUS DP-V0/DP-V1-OPC server with online configuration and GSD pool
OPC-S7	S7/S5 OPC server
DTM-PB-S	PROFIBUS communication DTM, single channel, with software copy protection
DTM-PB-F	PROFIBUS communication DTM, multiple channels, with software copy protection

## User Story

Clariant, a company based in Gersthofen, manufactures additives for plastics production, amongst other things. Its products are used in garden chairs and stadium seats, for example, in order to prevent the material from becoming too porous in the sunlight. In the company's pilot plant, new developments are continually explored under changing operating conditions, so it is often necessary to re-configure the field devices in the plant. In order to reduce the effort involved in parameterizing devices on-site - particularly in the Ex area - the facilities engineering department decided to implement a remote parameterization concept based on the FG-300 PROFIBUS gateway from Softing and FDT.

## Technical Data

PROFIBUS interface	FG-100 PROFIBUS (1-channel)	FG-300 PROFIBUS (2-channel)	FG-300 PROFIBUS (3-channel)
Supported protocols	PROFIBUS DP (can be configured as master or slave), DP-V1 master, FMS, FDL, MPI		
Connector	9-pin female D-sub		
Number of channels	1	2	3
Transfer rates	9,6; 19,2; 45,45; 93,75; 187,5; 500; 1.500; 3.000; 6.000; 12.000 kBit/s		
Indicators	power-on LED, activity LED		
<b>Ethernet interface</b>			
Ethernet	100BASE-TX/10BASE-T, 100 Mbit/s and 10 Mbit/s with automatic detection		
Connector	RJ45		
<b>Serial interface</b>			
RS232	for alternative configuration access		
<b>Other</b>			
Assembly	35 mm DIN top-hat rail		
Dimensions in mm (W x H x D)	47 x 131 x 111 (1.9" x 5.2" x 4.4")	110 x 131 x 111 (4.4" x 5.2" x 4.4")	110 x 131 x 111 (4.4" x 5.2" x 4.4")
Power supply	24V (±20%) DC; 0.3 A typ.	24V (±20%) DC; 0.6 A typ.	24V (±20%) DC; 0.6 A typ.
Temperature range	0° C ... +55° C (operation); -20° C ... +70° C (storage); fanless convection cooling		
Protection class / approvals	IP 20 / CE, FCC, VCCI, UL		
<b>Included in package</b>	PROFIBUS Ethernet Gateway, installation manual and CD with Windows drivers		
<b>System requirements</b>	PC with Windows XP / 2000 / NT, web browser for configuration		
<b>Order number</b>	FG-100-PB	FG-PB-2	FG-PB-3

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