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PROFIBUS

FG PROFIBUS

Remote Interfaces for Use as Master or Slave

FG PROFIBUS is a family of interfaces for remote access to one, two or three PROFIBUS segments via Ethernet for device parameterization, controller programming and data acquisition. On the PC the remote interface acts like a local PROFIBUS board.

EASY MANAGEMENT VIA WEB BROWSER

The remote interface is easy to configure using the integrated web interface. Once configured, the included driver gives the PC completely transparent access to the connected PROFIBUS network.

SUPPORT OF PROFIBUS MASTER OR SLAVE FUNCTIONALITY

The protocol required for the specific use case can set separately for each channel. Used as a DP slave, the remote interface allows the PC to exchange data with a specific controller on the PROFIBUS. Acting as a DP master, it gives the PC access to all process data of the connected devices. When configured as a DP Master Class 2, it allows the remote parameterization of process technology plants. In addition, integration into FMS systems or proprietary applications is just as easy and unproblematic as direct access at the lowest protocol level (FDL).

RAPID INTEGRATION WITH THE RIGHT SOFTWARE INTERFACE

The included PROFIBUS driver software is complemented with many sample programs that demonstrate how to use the PROFIBUS API. Commented sample programs show how this is done. A matching Softing OPC Server, which is available as an optional standard interface, quickly and easily connects any application that has an integrated OPC client. Typical applications include visualization, SCADA or MES systems. FDT compliant parameterization tools use the free PROFIdtm Communication DTM from Softing as a link to the FG PROFIBUS. Used with the free STEP7 driver, the remote interface can also provide a PG/PC adapter for the remote programming of Siemens controllers.

CUSTOMER BENEFITS

- Comprehensive Access to Data Simultaneously with Existing Control Systems
- Efficient Integration Through Easy Protocol Selection and Wide Variety of Software Interfaces
- De-facto Standard for Device Parameterization via FDT/DTM



TECHNICAL DATA

	FG-100 PROFIBUS Single Channel	FG-300 PROFIBUS Dual Channel	FG-300 PROFIBUS Triple Channel
PROFIBUS Protocol			
DP-V0 Master	●	●	●
DP-V1 Master: Acyclic C2 Services	●	●	●
FMS	●	●	●
FDL	●	●	●
DP-V0 Slave	●	●	●
Number of Channels	1	2	3
Connector	9-Pin D-Sub Female, RS485, Galvanically Isolated		
Transfer Rates	9.6; 19.2; 45.45; 93.75; 187.5; 500; 1500; 3000; 6000; 12000Kbit/s		
Host interface			
Ethernet	100BASE-TX/10BASE-T, 100Mbit/s and 10Mbit/s with Automatic Detection, RJ45 Connector		
RS232	As Alternative Configuration Access via PPP, 9-Pin D-Sub Connector		
Web Server	For Device Status and Configuration		
Remote API	Windows DLL for Host Computer		
TCP/IP Socket Library	Easily Portable Source Code and Programming Samples for Non-Windows Computers		
Miscellaneous			
Mounting	35mm DIN Rail		
Dimensions (W x H x D):	47mm x 131mm x 111mm	110mm x 131mm x 111mm	110mm x 131mm x 111mm
Power Supply	24VDC (±20%) Typically 0.3A	24VDC (±20%) Typically 0.6A	24VDC (±20%) Typically 0.6A
Temperature Range	0°C ... +55°C (Operation); -20°C ... +70°C (Storage); Fanless Convection Cooling		
Relative Humidity	<90%, Non-condensing		
Protection Class	IP20		
Drivers Available for	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003 R2, Windows Server 2008		
Conformity	CE FC RoHS COMPLIANT		

SCOPE OF DELIVERY

	PROFIBUS Remote Interface, Installation Manual, CD with Windows Drivers, Documentation and Sample Programs

ORDER NUMBER

	FG-100-PB	FG-PB-2/HW	FG-PB-3/HW

ADDITIONAL PRODUCTS AND SERVICES

OPC-PB	PROFIBUS OPC Server for DP-V0 / DP-V1
DCF-DY-4100	OPC Server for S7 / S5
TRA-PB-TECH	PROFIBUS Technology Training

Softing Industrial Automation is a world leading provider of industrial communication products and technologies for manufacturing and process automation. Our products are tailored to the requirements of system integrators, device vendors, machine and equipment manufacturers or end users and are known for their ease of use and functional advantages.

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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