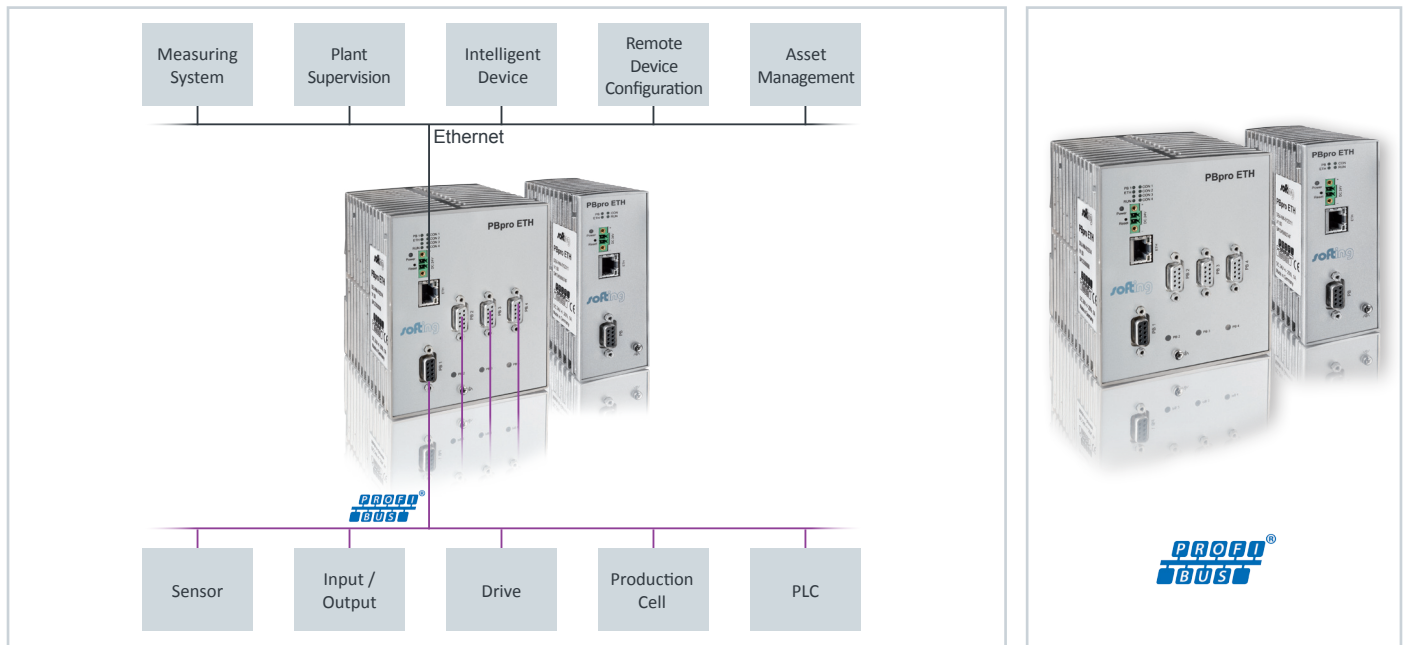


PBpro ETH

Remote PROFIBUS Interfaces for Use as Master or Slave

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



Wide Range of Applications

- De-facto standard for device parameterization via FDT/DTM
- PROFIBUS connection for PC-based measuring and monitoring systems
- External PROFIBUS interface for PC-based field devices and embedded computer systems
- Quick and easy integration of OPC Client applications like SCADA or MES systems via optional OPC Server




Individual Protocol Settings for Each Channel

- Access to process data and parameters in connected devices as PROFIBUS DP Master or Master Class 2 (also simultaneously with existing control systems)
- Data exchange with controllers as PROFIBUS DP Slave
- Integration into PROFIBUS FMS systems, or into proprietary applications via PROFIBUS FDL
- Each channel acting as an individual PROFIBUS PC interface

Easy Administration and Efficient Integration

- Assignment of IP address and configuration with accompanying "Search and Configure" tool and integrated web interface
- Commented sample programs for easy use of the PROFIBUS application programming interface (API)
- Free-of-charge communication DTM for PBpro ETH supporting parameterization of PROFIBUS devices by FDT tools

Technical Data

	PBpro ETH Single Channel	PBpro ETH Dual Channel	PBpro ETH Triple Channel	PBpro ETH Quad Channel
Number of Channels	1	2	3	4
PROFIBUS Protocol				
DP-V0 Master	●	All Channels	All Channels	All Channels
DP-V1 Master: Acyclic C2 Services	●	All Channels	All Channels	All Channels
FMS	●	All Channels	All Channels	All Channels
FDL	●	All Channels	All Channels	All Channels
DP-V0 Slave		Channel 2	Channels 2, 3	Channels 2, 3, 4
Connector	9-pin D-Sub female, EIA-485 (RS-485), galvanically isolated			
Transfer Rates	9.6; 19.2; 45.45; 93.75; 187.5; 500; 1500; 3000; 6000; 12000 Kbit/s			
Host Interface				
Ethernet	100BASE-TX/10BASE-T, 100 Mbit/s and 10 Mbit/s with automatic detection, RJ45 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	35 mm DIN Rail			
Dimensions (W x H x D)	47 mm x 131 mm x 111 mm	110 mm x 131 mm x 111 mm	110 mm x 131 mm x 111 mm	110 mm x 131 mm x 111 mm
Power Supply	24 VDC (±20 %), typically 0.2 A	24 VDC (±20 %), typically 0.3 A	24 VDC (±20 %), typically 0.4 A	24 VDC (±20 %), typically 0.5 A
Temperature Range	0 °C ... +55 °C (Operation); -20 °C ... +70 °C (Storage); fanless convection cooling			
Relative Humidity	< 90 %, non-condensing			
Protection Class	IP20			
Available Drivers	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003 R2, Windows Server 2008			
Conformity	  			

Scope of Delivery

Hardware	PROFIBUS Remote Interface
Software	Windows Drivers, Sample Programs, PROFIdtm
Documentation	User Guide

Order Numbers

	PBpro ETH Single Channel	PBpro ETH Dual Channel	PBpro ETH Triple Channel	PBpro ETH Quad Channel
	DEL-NN-012311	DEL-NN-012312	DEL-NN-012313	DEL-NN-012314

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

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Your local Softing Contact

Softing Industrial Automation GmbH
Richard-Reitzner-Allee 6
85540 Haar / Germany
Tel.: +49 89 456 56-340
Fax: +49 89 456 56-488
info.automation@softing.com
http://industrial.softing.com

Softing Industrial Automation GmbH
Äußere Sulzbacher Straße 159-161
90491 Nürnberg / Germany
Tel.: +49 911 544 27-0
Fax: +49 911 544 27-27
info.automation@softing.com
http://industrial.softing.com

Buxbaum Automation GmbH
Thomas-Alva-Edison-Straße 1
7000 Eisenstadt / Austria
Tel.: +43 2682 704 560
Fax: +43 2682 205 77 00-5610
office@myautomation.at
http://myautomation.at

Softing Inc.
US Headquarter
7209 Chapman Highway
Knoxville, TN 37920 / USA
Tel.: +1 865 251 52 52
Fax: +1 865 579 47 40
info@softing.us
http://www.softing.us

Softing Inc.
US Sales Office
29 Water Street, Suite 301
Newburyport, MA 01950 / USA
Tel.: +1 978 499 96 50
Fax: +1 978 499 96 54
info@softing.us
http://www.softing.us

Softing Italia Srl
Via Padre Massimiliano Kolbe, 6
20090 Cesano Boscone (MI) / Italy
Tel.: +39 02 450 51 71
Fax: +39 02 450 41 41
info@softingitalia.it
http://softingitalia.it