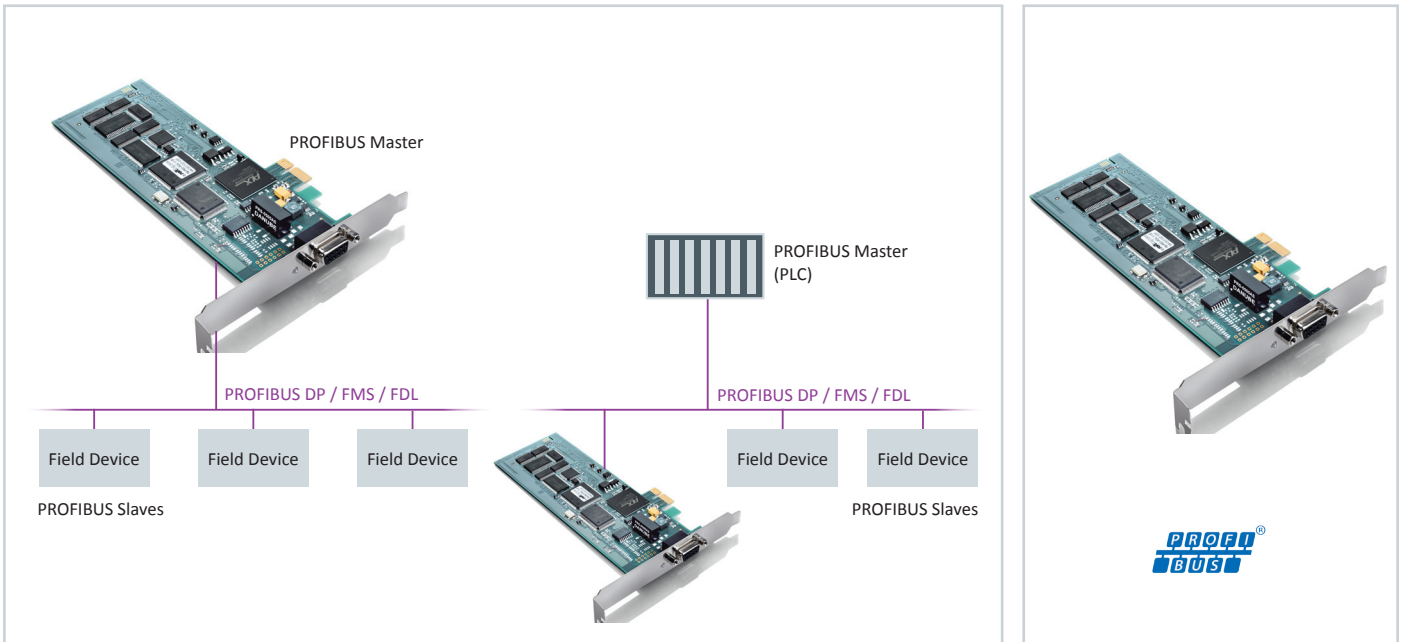


PBpro PCI Express

Universal PCI Express Boards for Use as Master or Slave

Single and dual channel interface boards in PCI Express format for integrating PCs into PROFIBUS architectures as machine controllers, supervisory control applications, field devices or operator panels.



Always the Fitting PROFIBUS Protocol

- PROFIBUS Master and Slave functionality
- Support of PROFIBUS DP, PROFIBUS FMS and PROFIBUS FDL protocols
- Universal interface solution for integration in industrial and embedded PCs




Rapid Integration Using API or OPC Server

- Direct access to all protocols via PROFIBUS API
- Sample programs including comments
- Integration in various plant asset management tools
- Optional access by OPC Clients using Softing's OPC Server

Large Choice of Drivers

- Use in Windows operating systems
- Linux driver in preparation
- PROFIBUS ComdDTM for FDT applications included in scope of delivery

Technical Data

	Master/Slave, Single Channel ¹	Slave, Single Channel ¹	Master/Slave, Dual Channel
PROFIBUS Protocol			
DP-V0 Master	•		•
DP-V1 Master: Acyclic C2 Services	•		•
FMS	•		•
FDL	•		•
DP-V0 Slave	•	•	•
Fieldbus Connection	9-Pin D-Sub female, EIA-485, galvanically isolated		
Transfer Rates	9.6; 19.2; 45.45; 93.75; 187.5; 500; 1,500; 3,000; 6,000; 12,000 Kbit/s		
PC Interface	PCI Express x1 according to PCIe r1.0a and CEM 1.1, 512 KB Shared RAM per channel		
Operating Temperature	0 °C ... +70 °C		
Storage Temperature	-20 °C ... +70 °C		
Relative Humidity	< 90 %, non-condensing		
Dimensions	168 mm x 69 mm	168 mm x 69 mm	168 mm x 103 mm
Power Supply			
Supply Voltage	3,3 VDC / 12 VDC (±5 %)		
Current Consumption	Typically 500 mA / 90 mA	Typically 500 mA / 90 mA	Typically 640 mA / 170 mA
Drivers Available for	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10		
Conformity	  		

¹ Also Available with Low Profile Slot Bracket

Scope of Delivery

Hardware	PC interface board
Software	Drivers, sample programs on CD-ROM
Documentation	On CD-ROM

Order Numbers

Master/Slave, Single Channel	Slave, Single Channel	Master/Slave, Dual Channel
PB-PRO1-PCIE (PB-PRO1-PCIE/LP)	PB-PRO1S-PCIE (PB-PRO1S-PCIE/LP)	PB-PRO2-PCIE

Additional Products and Services

OPC-PB ¹	PROFIBUS OPC Server for DP-V0 / DP-V1
TRA-PB-TECH	PROFIBUS technology training

¹ Requires PROFIBUS Master Interface Board

optimize!
softing

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