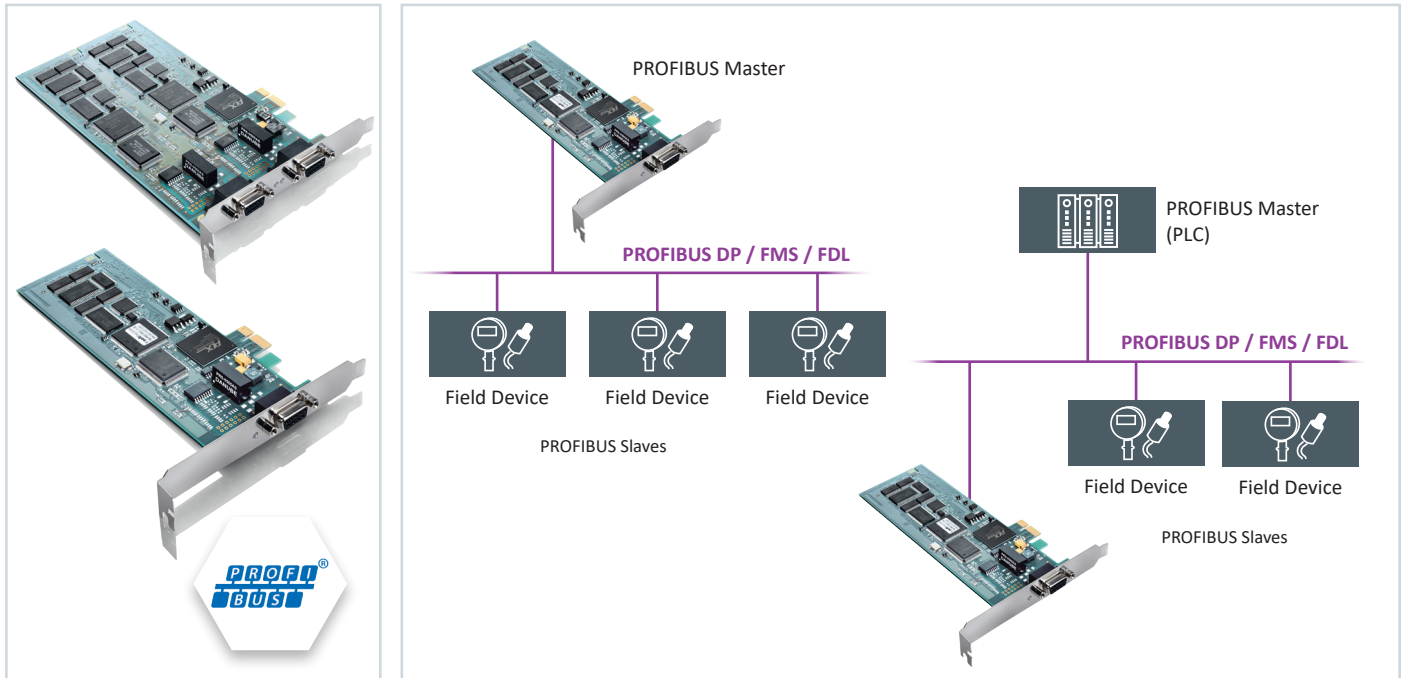


PBpro PCI Express

Universal PCI Express Boards for Use as Master or Slave

- Single and dual channel interface boards in PCI Express format
- 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

- Direct access to all protocols via PROFIBUS API
- Sample programs including comments
- Integration in various plant asset management tools

Large Choice of Drivers

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

PBpro PCI Express

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

PB-PRO1-PCIE	Master/Slave, Single Channel
PB-PRO1-PCIE/LP	Master/Slave, Single Channel, Low Profile
PB-PRO1S-PCIE	Slave, Single Channel
PB-PRO1S-PCIE/LP	Slave, Single Channel, Low Profile
PB-PRO2-PCIE	Master/Slave, Dual Channel

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