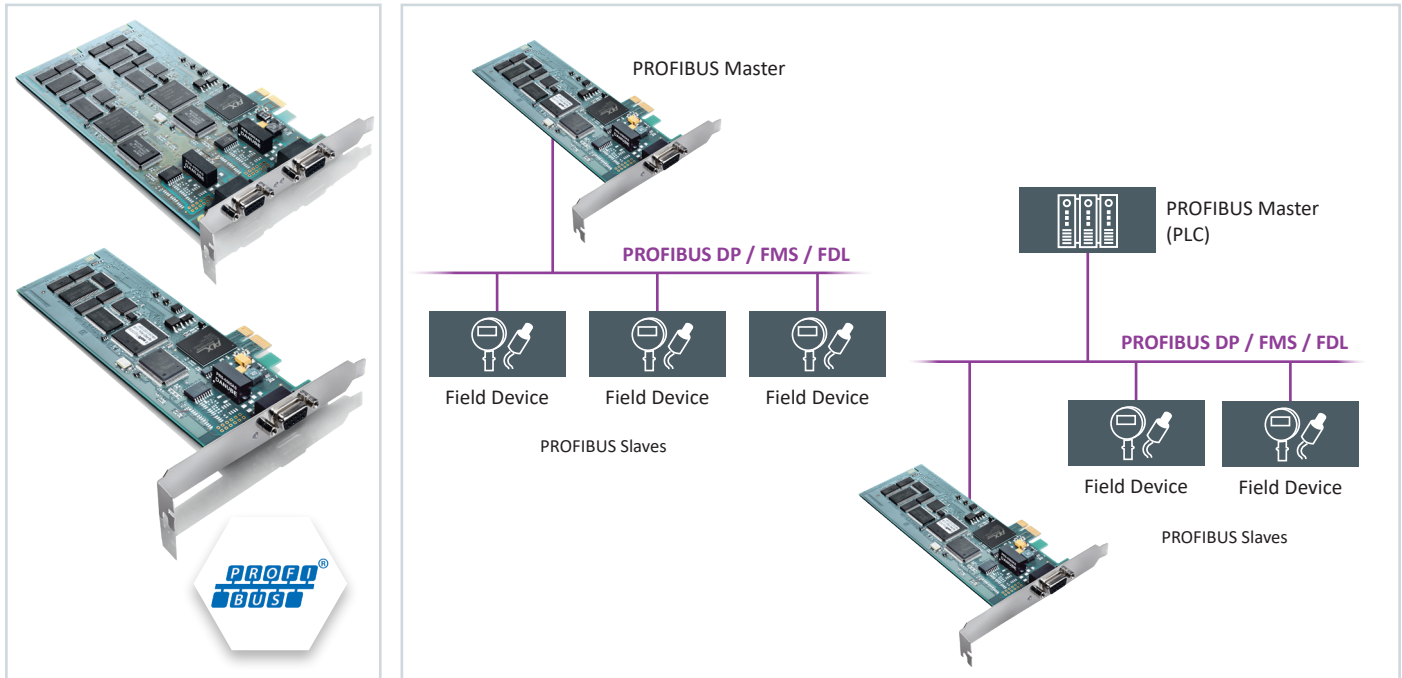


PBpro PCI Express

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 |

Your local Softing contact:

<http://industrial.softing.com>

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