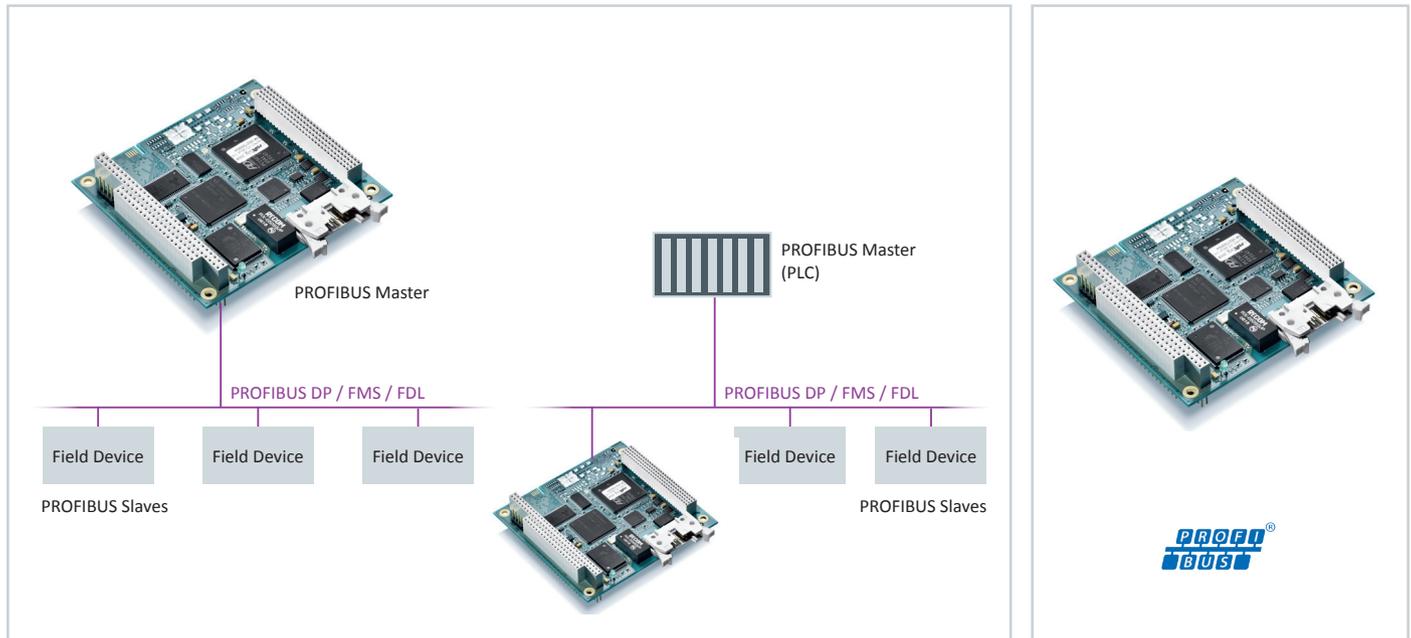# PBpro PC/104plus

PC/104plus Board for Use as Master or Slave

Single channel interface board in PC/104plus format for integrating PCs into PROFIBUS architectures as machine controllers, supervisory control applications, visualization systems or field devices.

PROFIBUS Master

PROFIBUS DP / FMS / FDL

PROFIBUS Master (PLC)

PROFIBUS DP / FMS / FDL

Field Device   Field Device   Field Device

Field Device   Field Device

PROFIBUS Slaves

PROFIBUS Slaves

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 and Linux operating systems
- PROFIBUS CommDTM for FDT applications included in scope of delivery

Wide Temperature Range

- Extended temperature version supporting operating temperature range between -40 °C and +85 °C
- Interface adjustable according to customer specifications, including hardware adaptations

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Technical Data

PROFIBUS Protocol	DP-V0 Master
	DP-V1 Master: Acyclic C2 Services
	DP-V2 Master[1]
	FMS
	FDL
	DP-V0 Slave
Fieldbus Connection	9-Pin D-Sub female on ribbon cable, 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	PC/104plus V2.0, 128 KB Shared RAM
Operating Temperature	Standard Version: 0 °C ... +70 °C, XT Version: -40 °C ... +85 °C
Storage Temperature	Standard Version: -20 °C ... +70 °C, XT Version: -40 °C ... +85 °C
Relative Humidity	< 90 %, non-condensing
Dimensions	90.2 mm x 96 mm
Power Supply	
Supply Voltage	5 VDC / 3.3 VDC (±5 %)
Current Consumption	Typically 500 mA / 200 mA
Drivers Available for	Windows XP, Windows 7, Windows 8, Windows 10, Linux
Conformity	CE FC RoHS COMPLIANT

[1] DP-V2 available for custom integration.
Please contact Softing to discuss your specific requirements.

Scope of Delivery

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

Order Numbers

PB-PRO1-PC104+	PBpro PC/104plus interface board
PB-PRO1-PC104+XT	PBpro PC/104plus interface board, extended temperature range
PB-PRO1-PCI104+	PBpro PCI/104plus interface board (without ISA bus connector)
PB-PRO1-PCI104+XT	PBpro PCI/104plus interface board (without ISA bus connector), extended temperature range

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

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