

## Profibus Slave - Interbus Slave Fo



The Anybus X-gateway copies I/O-data in both directions thus enabling data exchange between the two networks. Default I/O configuration is 20 bytes Input and 20 bytes Output. Changing default settings is very simple and is carried out using the RS232 configuration port and a standard terminal interface on a PC, such as Hyper Terminal for Windows.

The Profibus DP/DPV1 slave interface is implemented according to the standard IEC61158 as a modular slave, supporting all standard functionality such as Watchdog, Sync and Freeze and diagnostics. Standard DP as well as DPV1 acyclic data services (Class1/Class2) are supported. The Profibus interface module is certified by the Profibus user organization and has proven conformance and interoperability with leading PLC's, HMI's etc. Profibus address is set via rotary switches 0-99.

The Interbus 2Mbit/s interface with a Fiber Optic bus-interface is an important complement to the standard module for copper based cabling. The Fiber Optic module is based on the OPC chipset from Pheonix, which gives support for optical diagnostics. This means the unit has a high EMC immunity and also a very low EMC emission. The Interbus interface 2Mbit/s module is a slave node that can be read from/written to by an Interbus master. Interbus has two ways of exchanging data; one through fast cyclical I/O data called 'Process Data', and one through a somewhat slower protocol called PCP, which is mainly used for configuration purposes. It supports Interbus PCP V2.0. The module supports up to 10 words of data on the bus, out of which up to four words can be used for PCP.

### KEY FEATURES

- Watchdog support
- Sync and Freeze
- Supports PA baud rate 45.45 kbit/s
- Up to 10 words of Interbus Process data
- PCP v2.0 (0, 1, 2 or 4 words)
- Fiber Optic features FSMA standard connectors conforming to IEC874-2 and DIN47258
- Based on OPC chipset with support for optical diagnostics
- Transmission Media: Plastic fibre, core 180um, clad 1000um: HCS (glass) fibre, core 200um, clad 230 um
- Complete Profibus DP and DPV1 (Class1/Class2) slave functionality according to IEC 61158

### TECHNICAL SPECIFICATIONS

<b>Size:</b>	126 mm x 110 mm x 42 mm
<b>Power Supply:</b>	24 VDC (±10%)
<b>Temperature:</b>	0-65°C
<b>Current Consump:</b>	max 300 mA
<b>I/O Input:</b>	Max 244 bytes using DP / 512 bytes using DPV1 (max 20 bytes as I/O on Interbus)
<b>I/O Output:</b>	Max 244 bytes using DP / 512 bytes using DPV1 (max 20 bytes as I/O on Interbus)
<b>Mech Rating:</b>	IP20/Nema1
<b>Config Method:</b>	Windows Hyper Terminal
<b>UL certification:</b>	E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4
<b>ATEX certification:</b>	ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03
<b>Power supply connector:</b>	2-pole 5.08 mm Phoenix pluggable screw connector
<b>Profibus baudrate:</b>	9600 bit/s - 12 Mbit/s autodetect
<b>Profibus address:</b>	Node address 0-99
<b>Profibus connector:</b>	D-sub 9-pin female
<b>Profibus config.:</b>	Configured by Profibus Master via GSD file (provided by HMS)
<b>Interbus Baudrate:</b>	500Kbit/s or 2Mbit/s
<b>Interbus connectors:</b>	HFBR-2505C and HFBR-1505C
<b>Price Group:</b>	C
<b>Order Code:</b>	AB7848