# Profibus Master - 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 Anybus-M Profibus-DP interface supports connection of up to 125 slaves at baudrates up to 12 Mbit/s. The Profibus configuration is defined with NetTool-PB, the windows based configuration software for Profibus from HMS (purchased as a separate accessory).
The Profibus interface module is certified by the Profibus user organization and has proven conformance and interoperability with leading manufacturers of I/O, drives, instruments etc
Configuration is downloaded to the module via the RS232 configuration port.

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 |
|---|
| **Profibus configuration: NetTool-PB for Windows** |
| **Built on Siemens ASIC ASPC2 Step E with Infineon C165 Microprocessor** |
| **Up to 125 slaves can be connected** |
| **Profibus configuration through RS232 configuration port** |
| **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)** |
| **Fibre 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 Master according to IEC 61158** |

| TECHNICAL SPECIFICATIONS | |
|---|---|
| **Size:** | 126 mm x 110 mm x 42 mm |
| **Power Supply:** | 24 VDC (±10%) |
| **Temperature:** | 0-65°C |
| **Current Consump:** | max 300 mA |
| **I/O Input:** | Default 20 bytes, max 512 bytes (max 20 bytes as I/O on Interbus) |
| **I/O Output:** | Default 20 bytes, max 512 bytes (max 20 bytes as I/O on Interbus) |
| **Mech Rating:** | IP20/Nema1 |
| **Config Method:** | Windows Hyper Terminal |
| **UL certification:** | E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4 |
| **ATEX certification:** | ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03 |
| **Power supply connector:** | 2-pole 5.08 mm Phoenix pluggable screw connector |
| **Profibus baudrate:** | 9600 bit/s - 12 Mbit/s |
| **Profibus address:** | Node address 0-125 |
| **Profibus connector:** | D-sub 9-pin female |
| **Accessory order code:** | 018330 (NetTool-PB configuration tool for Profibus) |
| **Interbus Baudrate:** | 500Kbit/s or 2Mbit/s |
| **Interbus connectors:** | HFBR-2505C and HFBR-1505C |
| **Price Group:** | C |
| **Order Code:** | **AB7806** |