



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 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.

The Profinet IO interface is a complete solution for a Profinet IO slave Device. The module is based on the Siemens Profinet IO software technology. The Profinet IO baudrate is 100Mbit/s (full duplex). The IP-address and additional IP-settings is easily configured with the Anybus IPconfig utility for Windows. Additional ways to set the IP-address are either via DHCP or the Profinet configuration tool. Four diagnostic LEDs will continuously indicate the actual Profinet IO status and possible error messages. The Profinet IO interface uses a normal RJ45 connector for the bus connection. IT-functions like WEB-server, E-mail client, FTP-server are also supported. The IT functions can be used simultaneously with the Profinet IO communication. Modbus/TCP is also supported with "Read Data" functions.

| KEY FEATURES |
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| ■ SSI scripts used for easy display/control of process data on webpages |
| ■ Gateway diagnostics via WEB-pages |
| ■ 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 |
| ■ Profinet IO and IT functions |
| ■ Profinet 100 Mbit/s twisted pair RJ45 connection |
| ■ 1 Mbyte storage space on Flash disk |
| ■ TCP/IP settings configurable with web-page, Anybus IPconfig, DHCP or the Profinet configuration tool. |

| TECHNICAL SPECIFICATIONS |
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| 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, GSD file for Profinet |
| 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 connect: 2-pole 5.08 mm Phoenix pluggable screw connector |
| Profinet connector: RJ45 |
| Profinet IP-address: Any valid IP-address |
| Interbus Baudrate: 500Kbit/s or 2Mbit/s |
| Interbus connectors: HFBR-2505C and HFBR-1505C |
| Profinet baudrate: 100Mbit/s |
| Price Group: C |
| Order Code: AB7657 |