Interbus Slave Fo - EtherCAT Slave

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 Phoenix, 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 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 EtherCAT Slave Interface for the Anybus X-gateway implements CANopen over EtherCAT, and exchanges up to 512 bytes of data in each direction. The interface acts as a slave node, which means it can be accessed by an EtherCAT master, but it will not initiate communication by itself.
The module has two RJ45 connectors using 100 Mbit full duplex Ethernet. For configuration a XML-format device despription file is supplied by HMS.

KEY FEATURES
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
EtherCAT interface supports CANopen objects SDOs and PDOs
Up to 512 bytes of cyclic data in each direction (PDO)
Up to 512 bytes of acyclic data in each direction (SDO)
EtherCAT interface is DS301 v4.02 compliant

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 connect:	2-pole 5.08 mm Phoenix pluggable screw connector
Interbus Baudrate:	500Kbit/s or 2Mbit/s
Interbus connectors:	HFBR-2505C and HFBR-1505C
EtherCAT baudrate:	100 Mbit/s
EtherCAT connector:	RJ45
EtherCAT Config:	Configured by EtherCAT Master via XML file (provided by HMS)
Order Code:	**AB7690**