Ethernet ModbusTCP Slave - 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 Anybus OPC Server is supported and included with this X-gateway. It enables fast and dynamic transfer of fieldbus data to and from e.g. SCADA/HMI/Enterprice level systems based on Microsoft Windows.

The Ethernet interface consists of an embedded ModbusTCP 10/100 Mbit/s interface with IT functionality such as WEB-server, SSI-scripts, Flash file system, FTP-server, Email client, Telnet etc. It is possible to build web pages displaying and controlling a factory floor process with data from the other connected network. It is built on a dedicated 32 bit RISC micro processor (+60 mips) ensuring fast and secure Ethernet performance.
The Ethernet/ModbusTCP interface module is certified by the University of Michigan and has proven conformance and interoperability with leading PLC´s, HMI´s etc.

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 desription file is supplied by HMS.

KEY FEATURES
10/100 MBit twisted pair RJ45 connection
TCP/IP settings configurable with web-page, Configuration Tool, DHCP, ARP or with DIP switches
Modbus/TCP class 0, class 1 and partially class 2 slave functionality
1.4 Mbyte storage space on Flash disk
Support for AnyBus IPconfig utility for easy TCP/IP set up
SSI scripts used for easy display/control of process data on WEB-pages
EtherCAT interface supports CANopen objects (SDOs&PDOs)
Up to 512 bytes of cyclic data in each direction (PDO)
Up to 512 bytes of acyclic data in each direction (SDO)
Compliant with specification DS301 v4.02
Support for Anybus OPC Server

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
I/O Output:	Default 20 bytes, max 512 bytes
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
Modbus-TCP connector:	RJ45
Modbus-TCP address:	Any valid IP-address
EtherCAT baudrate:	100 Mbit/s full duplex
EtherCAT connector:	RJ45
EtherCAT config:	Configured by EtherCAT Master via XML file (provided by HMS)
Price Group:	B
Order Code:	AB7901

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