ControlNet Adapter/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 ControlNet interface is implemented according to the ControlNet international specification for a Communication adapter (profile number 12). A connection to the AnyBus ControlNet slave interface can be opened from a ControlNet scanner. The size of the connection can be up to 450 bytes in each direction. The ControlNet module can be read or written to by UCMM (Unscheduled) messages from another ControlNet adapter (slave) or scanner (master). The module is equipped with two BNC contacts for connection to ControlNet. If redundant operation is desired, both connectors are used; otherwise either connector A or B is used. The module is also equipped with a NAP (Network access port) for temporary connection of configuration tools. The minimum Network update time, (NUT), of the module is 5ms. The ControlNet interface module is certified by the ODVA 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 despription file is supplied by HMS.

KEY FEATURES

- Multicasts of both inputs and peer-to peer data on ControlNet
- ControlNet Media redundancy
- ControlNet Specification version: Communications Adapter profile 12
- 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)

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 450 bytes as I/O on ControlNet)
I/O Output:	Default 20 bytes, max 512 bytes (max 450 bytes as I/O on ControlNet)
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
ControlNet baudrate:	5Mbit/s
ControlNet MacID:	1-99
ControlNet connector:	Dual BNC coaxial connectors
ControlNet config:	Configured by ControlNet Scanner via EDS file (provided by HMS)
EtherCAT baudrate:	100 Mbit/s
EtherCAT connector:	RJ45
EtherCAt config:	Configured by EtherCAT Master via XML file (provided by HMS)
Price Group:	C
Order Code:	AB7687