

## ControlNet Adapter/Slave - CANopen 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-S ControlNet module 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 CANopen interface is an adapter class product allowing fast data exchange. The CANopen slave's data map consists of Process Data Objects (fast data) and Service Data Objects (slow data). The data on the CANopen bus is updated when a change is made or on request from another node. The CANopen interface module is certified by the Can In Automation organisation and has proven conformance and interoperability with leading PLC's, SoftPLC's, HMI's etc

### KEY FEATURES

- Multicasts of both inputs and peer-to peer data on ControlNet
- ControlNet Media redundancy
- ControlNet Specification version: Communications Adapter profile 12
- CANopen Unscheduled data exchange support
- CANopen PDO and SDO data objects supported
- CANopen profile DS-301 v.4.02
- Customizable PDO-mapping
- Heartbeat and node guarding support
- Network Stor/Restore functionality

### TECHNICAL SPECIFICATIONS

<b>Size:</b>	126 mm x 110 mm x 42 mm
<b>Power Supply:</b>	24 VDC (±10%)
<b>Temperature:</b>	0-65°C
<b>Current Consump:</b>	max 300 mA
<b>I/O Input:</b>	Default 20 bytes, max 512 bytes (max 450 bytes as I/O on ControlNet)
<b>I/O Output:</b>	Default 20 bytes, max 512 bytes (max 450 bytes as I/O on ControlNet)
<b>Mech Rating:</b>	IP20/Nema1
<b>Config Method:</b>	Windows Hyper Terminal
<b>UL certification:</b>	E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4
<b>ATEX certification:</b>	ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03
<b>Power supply connector:</b>	2-pole 5.08 mm Phoenix pluggable screw connector
<b>ControlNet baudrate:</b>	5Mbit/s
<b>ControlNet MacID:</b>	1-99
<b>ControlNet connector:</b>	Dual BNC coaxial connectors
<b>ControlNet config.:</b>	Configured by ControlNet Scanner via EDS file (provided by HMS)
<b>CANopen baudrate:</b>	10 kbit/s to 1 Mbit/s
<b>CANopen connector:</b>	D-sub 9-pin male
<b>CANopen address:</b>	Node address 1-99
<b>CANopen config.:</b>	Configured by CanOpen Master via EDS file (provided by HMS)
<b>Price Group:</b>	C
<b>Order Code:</b>	AB7868