



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 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.

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

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, max 450 bytes as I/O on ControlNet)
I/O Output: Default 20 bytes, max 512 bytes (max 20 bytes as I/O on Interbus, 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 connector: 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)
Interbus Baudrate: 500Kbit/s or 2Mbit/s
Interbus connectors: HFBR-2505C and HFBR-1505C
Price Group: C
Order Code: AB7867