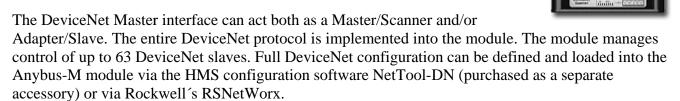Anybus X-gateway – AB7815

 DeviceNet Scanner/Master - Interbus Slave Fo

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 DeviceNet Master interface can act both as a Master/Scanner and/or Adapter/Slave. The entire DeviceNet protocol is implemented into the module. The module manages control of up to 63 DeviceNet slaves. Full DeviceNet configuration can be defined and loaded into the Anybus-M module via the HMS configuration software NetTool-DN (purchased as a separate accessory) or via Rockwell´s RSNetWorx.

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

- Complete DeviceNet 2.0 scanner implementation according to ODVA
- DeviceNet Group 2 Client/Server / UCMM support
- Manages up to 63 DeviceNet slaves
- DeviceNet Configuration via AnyBus NetTool-DN or RSNetworx
- DeviceNet Explicit peer to peer messaging, configuration consistency value. I/O Slave messaging: Bit strobe, Polling, Cyclic & Change of State (COS)
- Up to 10 words of Interbus Process data
- PCP v2.0 (0, 1, 2 or 4 words)
- Fibre 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)
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 connector:	2-pole 5.08 mm Phoenix pluggable screw connector
DeviceNet baudrate:	125-500 kbit/s
DeviceNet MacID:	0-63
DeviceNet connector:	5-pole 5.08 mm Phoenix pluggable screw connector
Accessory order code:	018020 (NetTool-DN configuration Tool for DeviceNet)
Interbus Baudrate:	500Kbit/s or 2Mbit/s
Interbus connectors:	HFBR-2505C and HFBR-1505C
Price Group:	C
Order Code:	AB7815