Anybus X-gateway – AB7663

 DeviceNet Scanner/Master - Profibus 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 Profibus DP/DPV1 slave interface is implemented according to the standard IEC61158 as a modular slave, supporting all standard functionality such as Watchdog, Sync and Freeze and diagnostics. Standard DP as well as DPV1 acyclic data services (Class1/Class2) are supported. The Profibus interface module is certified by the Profibus user organization and has proven conformance and interoperability with leading PLC´s, HMI´s etc. Profibus address is set via rotary switches 0-99.

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.

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)
- Watchdog support
- Sync and Freeze
- Supports PA baud rate 45.45 kbit/s
- Complete Profibus DP and DPV1 (Class1/Class2) slave functionality according to IEC 61158

TECHNICAL SPECIFICATIONS

Size:	126 mm x 110 mm x 42 mm
Power Supply:	24 VDC (±10%)
Temperature:	0-65°C°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, NetTool-DN or RS-

	Networx, EDS and GSD file
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
Profibus baudrate:	9600 bit/s - 12 Mbit/s autodetect
Profibus address:	Node address 0-99
Profibus connector:	D-sub 9-pin female
Profibus config:	Configured by Profibus Master via GSD file (provided by HMS)
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)
Price Group:	B
Order Code:	AB7663