Anybus X-gateway –AB7647

DeviceNet Scanner/Master - Profinet IO Device

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 Profinet IO interface is a complete solution for a Profinet IO slave Device. The module is based on the Siemens Profinet IO software technology.
The Profinet IO baudrate is 100Mbit/s (full duplex). The IP-address and additional IP-settings is easily configured with the Anybus IPconfig utility for Windows. Additional ways to set the IP-address are either via DHCP or Profinet configuration tool. Four diagnostic LEDs will continuously indicate the actual Profinet IO status and possible error messages. The Profinet IO interface uses a normal RJ45 connector for the bus connection.
IT-functions like WEB-server, E-mail client, FTP-server are also supported. The IT functions can be used simultaneously with the Profinet IO communication.
Modbus/TCP is also supported with "Read Data" functions.

### 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)
- Dynamical web-server with flash disc
- E-Mail Client, FTP & Telnet Server
- Ethernet baudrate 100 Mbit/S
- Profinet IO and IT functions
- 1 Mbyte storage space on Flash disc
- TCP/IP settings configurable with Profinet config tool, Anybus IPconfig or DHCP

### TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Size: | 126 mm x 110 mm x 42 mm |
| Power Supply: | 24 VDC (±10%) |
| Temperature: | 0-65°C°C |

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|---|---|
| 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 and NetTool for Devicenet or RS-Networx |
| 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 |
| 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) |
| Profinet connector: | RJ45 |
| Profinet baudrate: | 100Mbit/s |
| Price Group: | C |
| Order Code: | AB7647 |