Anybus X-gateway – AB7662

![icon] Profinet IO Device - LonWorks

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 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 the 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.

The LonWorks interface is a high performance interface to LonWorks networks. The interface supports LonMark objects handling. The required network variables on the LonWorks side can be configured and stored in FLASH. It is based on MIP that allows high throughput and a configurable set of up to 256 input and 256 output network variables. The interface can, via the "LWtool" PC-based configuration utility program, link, and convert data between the other network side and devices located on a LonWorks Network. The LonWorks side of the product can be configured for any type of network variable e.g. SNVT's or UNVT?s.

KEY FEATURES

■ Special LW Config Software Tool for lONwORKS Network variable Setup
■ Certification prepared for Lonmark application layer interoperability guidelines V3.2
■ SSI scripts used for easy display/control of process data on webpages
■ Gateway diagnostics via WEB-pages
■ Profinet Real-time and IT functions
■ E-Mail Client, FTP & Telnet Server
■ LonWorks FT-X1 Transceiver
■ Profinet 100 Mbit/s twisted pair RJ45 connection
■ 1 Mbyte storage space on Flash disk
■ 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 |
| 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, GSD-file for Profinet, LonWorks LW-Tool |
| 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 |
| Profinet connector: | RJ45 |
| Profinet IP-address: | Any valid IP-address |
| LonWorks baudrate: | 78 kbit/s |
| LonWorks Connector: | 5-pole 5.08 mm Phoenix pluggable screw connector |
| Profinet baudrate: | 100Mbit/s |
| LonWorks config: | Order code: 018640 - (Anybus LW Tool for LonWorks interface variable configuration) |
| Price Group: | C |
| Order Code: | AB7662 |