

## Anybus X-gateway – AB7644

### Ethernet ModbusTCP Slave - 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 Ethernet interface consists of an embedded ModbusTCP 10/100 Mbit/s interface with IT functionality such as WEB-server, SSI-scripts, Flash file system, FTP-server, Email client, Telnet etc. It is possible to build web pages displaying and controlling a factory floor process with data from the other connected network. It is built on a dedicated 32 bit RISC micro processor (+60 mips) ensuring fast and secure Ethernet performance.

The EtherNet/ModbusTCP interface module is certified by the Univeristy of Michigan and has proven conformance and interoperability with leading PLC's, HMI's etc.

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

- 10/100 MBit twisted pair RJ45 connection
- TCP/IP settings configurable with web-page, Configuration Tool, DHCP, ARP or with DIP switches
- Modbus/TCP class 0, class 1 and partially class 2 slave functionality
- 1.4 Mbyte storage space on Flash disk
- Support for AnyBus IPconfig utility for easy TCP/IP set up
- SSI scripts used for easy display/control of process data on WEB-pages
- Gateway diagnostics via WEB-pages
- Special LW Config Software Tool for Network variable Setup
- Certification prepared for Lonmark application layer interoperability guidelines V3.2
- LonWorks FT-X1 Transceiver

#### TECHNICAL SPECIFICATIONS

Size: 126 mm x 110 mm x 42 mm

Power Supply: 24 VDC ( $\pm 10\%$ )

Temperature: 0-65°C

Current Consump: max 300 mA

I/O Input: Default 20 bytes, max 512 bytes (256 network variables on LonWorks)

I/O Output: Default 20 bytes, max 512 bytes (256 network variables on LonWorks)

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Mech Rating: IP20/Nema1

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Config Method: Windows Hyper Terminal

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UL certification: E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4

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ATEX certification: ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03

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Power supply connector: 2-pole 5.08 mm Phoenix pluggable screw connector

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Modbus-TCP baudrate: 10/100 Mbit/s autodetect

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Modbus-TCP connector: RJ45

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Modbus-TCP address: Any valid IP-address

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LonWorks baudrate: 78 kbit/s

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LonWorks Connector: 5-pole 5.08 mm Phoenix pluggable screw connector

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Price Group: C

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LonWorks config.: Order code: 018640 - (LW Tool ABX for LonWorks interface variable configuration)

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Order Code: AB7644