

Anybus X-gateway – AB7853

Profibus 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 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 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

- Watchdog support
- Sync and Freeze
- Supports PA baud rate 45.45 kbit/s
- Special LW Config Software Tool for Network variable Setup
- Certification prepared for Lonmark application layer interoperability guidelines V3.2
 - Complete Profibus DP and DPV1 (Class1/Class2) slave functionality according to IEC 61158
- 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: Max 244 bytes using DP / 512 bytes using DPV1

I/O Output: Max 244 bytes using DP / 512 bytes using DPV1

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

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)

LonWorks baudrate: 78 kbit/s

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

Price Group: C

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

Order Code: AB7853
