

Anybus X-gateway – AB7832

Ethernet/IP Adapter/Slave - 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 Ethernet interface consists of an embedded Ethernet/IP 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/IP interface module is certified by the ODVA and has proven conformance and interoperability with leading PLC's, HMI's etc

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.

KEY FEATURES

- Ethernet 10/100 Mbit/s twisted pair RJ45 connection
- TCP/IP settings configurable with web-page, Configuration Tool, DHCP, ARP or with DIP switches
- Ethernet/IP level 2 I/O Server CIP
- 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 webpages
- Gateway diagnostics via WEB-pages
- 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 ($\pm 10\%$)

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

Ethernet/IP baudrate: 10/100 Mbit/s autodetect

Ethernet connector: RJ45

Ethernet/IP address: Any valid IP-address

Ethernet/IP config.: Configured by EtherNet/IP Scanner via EDS file
(provided by HMS)

Profibus baudrate: 9600 bit/s - 12 Mbit/s autodetect

Profibus address ran: Node address 0-99

Profibus connector: D-sub 9-pin female

Profibus config.: Configured by Profibus Master via GSD file
(provided by HMS)

Price Group: B

Order Code: AB7832