

Anybus X-gateway - AB7800

Profibus Master - Ethernet/IP Adapter/Slave

The Anybus X-gateway copies I/O-data in both directions thus enabling an exchange of data 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 Anybus-M Profibus-DP interface supports connection of up to 125 slaves at baudrates up to 12 Mbit/s. The Profibus configuration is defined with NetTool-PB, the windows based configuration software for Profibus from HMS (purchased as a separate accessory). The Profibus interface module is certified by the Profibus user organization and has proven conformance and interoperability with leading manufacturers of I/O, drives, instruments etc Configuration is downloaded to the module via the RS232 configuration port.

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.

KEY FEATURES

- Profibus configuration: NetTool-PB for Windows
- Built on Siemens ASIC ASPC2 Step E with Infineon C165 Microprocessor
- Up to 125 slaves can be connected
- Profibus configuration through RS232 configuration port
- Supports PA baud rate 45.45 kbit/s
- 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 (ControlNet & DeviceNet)
- 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
- Configured by EtherNet/IP Scanner via EDS file (provided by HMS)
- Complete Profibus DP Master 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:	512 bytes
I/O Output:	512 bytes
Mech Rating:	IP20/Nema1
Config Method:	Windows Hyper Terminal, NetTool-PB, Anybus IPconfig
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
Profibus address ran:	Node address 0-125
Profibus connector:	D-sub 9-pin female
Ethernet/IP baudrate:	10/100 Mbit/s autodetect
Ethernet/IP connecto:	RJ45
Ethernet/IP address:	Any valid IP-address
Accessory order code:	018330 (NetTool-PB configuration tool for Profibus)
Price Group:	C
Order Code:	AB7800