

Anybus X-gateway – AB7646

Profibus Master - Profinet IO Device

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 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, FREE demo available for up to 2 slaves).

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 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 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.

KEY FEATURES

- Profibus configuration: NetTool-PB for Windows
- Up to 125 slaves can be connected
- Profibus configuration through RS232 configuration port or via Ethernet
- Supports PA baud rate 45.45 kbit/s
- Complete Profibus DP Master according to IEC 61158
- Dynamical web-server with flash disc
- E-Mail Client, FTP & Telnet Server
- Profinet IO and IT functions
- TCP/IP settings configurable with Profinet config tool, Anybus IPconfig or DHCP
- 1 Mbyte storage space on Flash disc

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
I/O Output:	Default 20 bytes, max 512 bytes
Mech Rating:	IP20/Nema1
Config Method:	Windows Hyper Terminal, NetTool-PB and GSD file for Profinet
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
Profibus baudrate:	9600 bit/s - 12 Mbit/s
Profibus address:	Node address 0-125
Profibus connector:	D-sub 9-pin female
Accessory order code:	018330 (NetTool-PB configuration tool for Profibus)
Profinet connector:	RJ45
Profinet baudrate:	100Mbit/S
Price Group:	C
Order Code:	AB7646