Profinet IO Device - Modbus RTU 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 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 the 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.

The Modbus RTU Slave interface is implemented according to Modbus Protocol ref guide (PI-MBUS-300). All data is mapped to 3x and 4x Modbus areas meaning the Input Status and Output Register Word areas. The Modbus RTU standard baudrate is 19200 Bit/s but can be modified on the gateway between 1200 Bit/s to 57 600 Bit/s.

KEY FEATURES

- Modbus RTU transmission media RS485
- Supported Modbus RTU functions: 1, 2, 3, 4, 5, 6, 8, 15, 16, 22, 23
- Gateway diagnostics via WEB-pages
- Profinet 100 Mbit/s twisted pair RJ45 conn...
- Profinet IO and IT functions
- Profinet 100 Mbit/s twisted pair RJ45 connection
- 1 Mbyte storage space on Flash disc
- TCP/IP settings configurable with Profinet config tool, Anybus IPconfig or DHCP

TECHNICAL SPECIFICATIONS

Size:	126 mm x 110 mm x 42 mm
Power Supply:	24 VDC (±10%)
Temperature:	0-65°C°C°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
Config Method:	Windows Hyper Terminal, 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
Profinet connector:	RJ45
Profinet address:	Any valid IP-address
Modbus RTU baudrate:	1200 Bit/s to 57 600 Bit/s
Modbus RTU address:	Node address 1-247
Modbus RTU connector:	D-sub 9-pin female
Profinet baudrate:	100Mbit/s
Price Group:	C
Order Code:	AB7659