



## Ethernet ModbusTCP Slave - 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 gateway consists of two independent Ethernet interfaces, each with its own microprocessor system and TCP/IP stack.

The Ethernet ModbusTCP interface consists of an embedded ModbusTCP 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/ModbusTCP interface module is certified by the University of Michigan and has proven conformance and interoperability with leading PLC's, HMI's etc.

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

- Support for AnyBus IPconfig utility for easy TCP/IP set up
- SSI scripts used for easy display/control of process data on WEB-pages
- Gateway diagnostics via WEB-pages
- E-Mail Client, FTP & Telnet Server
- Profinet IO and IT functions
- Two independent 100 MBit twisted pair RJ45 connections
- TCP/IP settings configurable with web-page, Anybus IPconfig, DHCP or ARP
- 2 x 1 Mbyte storage space on Flash disk

### TECHNICAL SPECIFICATIONS

<b>Size:</b>	126 mm x 110 mm x 42 mm
<b>Power Supply:</b>	24 VDC (±10%)
<b>Temperature:</b>	0-65°C
<b>Current Consump:</b>	max 300 mA
<b>I/O Input:</b>	Default 20 bytes, max 512 bytes
<b>I/O Output:</b>	Default 20 bytes, max 512 bytes
<b>Mech Rating:</b>	IP20/Nema1
<b>Config Method:</b>	Windows Hyper Terminal and GSD file for Profinet
<b>UL certification:</b>	E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4
<b>ATEX certification:</b>	ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03
<b>Power supply connect:</b>	2-pole 5.08 mm Phoenix pluggable screw connector
<b>Ethernet baudrates:</b>	10/100 Mbit/s autodetect
<b>IP-addresses:</b>	Any valid IP-address
<b>Ethernet connectors:</b>	RJ45
<b>Profinet baudrate:</b>	100Mbit/s
<b>Price Group:</b>	C
<b>Order Code:</b>	AB7650