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## Ethernet/IP Adapter/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 Anybus OPC Server is supported and included with this X-gateway. It enables fast and dynamic transfer of fieldbus data to and from e.g. SCADA/HMI/Enterprise level systems based on Microsoft Windows.



The Ethernet/IP 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 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

- Galvanical isolation between the two Ethernet interfaces
- Logical isolation between the two Ethernet interfaces
- Ethernet/IP level 2 I/O Server CIP
- 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
- E-Mail Client, FTP & Telnet Server

- Profinet IO and IT functions
- Two twisted pair RJ45 connections
- 2 x 1 Mbyte storage space on Flash disk
- TCP/IP settings configurable with Profinet config tool, Anybus IPconfig or DHCP
- Support for Anybus OPC Server

#### 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

**Baud Rate:** 100 Mbit/s

**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, EDS and GSD files

**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

**Bus connectors:** RJ45

**Ethernet/IP address:** Any valid IP-address

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

**Profinet baudrate:** 100 Mbit/s


**Profinet address:** Any valid IP address

**Price Group:** A

**Order Code:** AB7649

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