

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 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

TECHNICAL SPECIFICATIONS

| | |
|------------------------------|---|
| Size: | 126 mm x 110 mm x 42 mm |
| Power Supply: | 24 VDC (±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: | C |
| Order Code: | AB7649 |