Industrial Gateways/Bridges designed to connect almost any TWO Industrial Networks

- Profibus
- Profinet
- DeviceNet
- EtherNet/IP
- ControlNet
- CANopen
- CC-Link
- AS-Interface
- Modbus Plus
- Modbus RTU
- FIPIO
- Interbus
  and many more...
Connect between almost any TWO Industrial Networks.
Take a closer look at the Anybus-X Gateway family.
Making the impossible possible!

The Anybus-X Gateway family is a product line consisting of 150 different products aimed to connect almost every possible combination of two industrial networks. The product family supports 17 different Fieldbus networks such as Profinet, DeviceNet, CANopen and CC-Link as well as Industrial Ethernet versions. The Anybus-X Gateways are designed for use in Industrial Automation plants where increasingly many different Fieldbus networks are used. The Anybus-X Gateways help System Integrators to easily interconnect between any two networks enabling consistent information flow throughout the entire plant.

Over 150 versions available, all very easy to configure and install

The Anybus-X Gateways have been designed for use in harsh industrial environments featuring standard DIN rail mounting, IP 20 rating and 24 Volt DC power supply. The Gateways are intelligent stand alone devices supporting fanless operation and industrial operating temperature range. The design is based upon two embedded Anybus communication modules and one additional Gateway processor. Thanks to the wide range of Anybus-S Slave and Anybus-M Master modules more than 150 Anybus-X gateway combinations are available. There is no programming involved. You simply choose the gateway version that supports the two networks that you want to bridge. For each of all possible network combinations, there is one separate Gateway. This gives you a flexible and versatile solution that is based on proven Anybus technology.

The Gateway concept primarily focuses on the transfer of cyclic I/O data between two networks. During the set-up of the Gateway, the user simply selects the amount of I/O to be transferred between Network 1 and Network 2. Since all Industrial Networks support a different amount of I/O data, the network with the least amount of I/O data determines how much data can be transferred in each case.

Web-based features adds extra functionality for all Ethernet versions.

The Anybus-X family has support for the Industrial Ethernet protocols Modbus-TCP, EtherNet/IP and Profinet.

All versions of Anybus-X that feature Ethernet have additional IT-functions included. The Ethernet interface of the Anybus-X consists of an embedded Ethernet 10/100 Mbit/s interface with IT-functionality such as a Web-server, SSI-scripts, Flash file system, FTP-server, e-mail client and Telnet.

It is possible to build web pages which display and control a factory floor process with data from the other connected network.

With the free Anybus-IP Config Tool you can simply set up or change the Ethernet configuration on any Anybus product with an Ethernet 10/100 Mbit interface.
Typical uses within a factory network

FIELDBUS TO FIELDBUS
In this example, the Anybus-X is a Slave on the CC-Link network and a Master/Scanner on the DeviceNet network.

FIELDBUS TO ETHERNET
In this example, the Anybus-X is a Slave/Adapter on the EtherNet/IP network and a Profinet-DP Master on the Profinet network.

KEY FEATURES
- Bridging of I/O data between two different networks
- Rugged aluminum housing
- DIN-rail mounting - PE via DIN rail
- 2 Anybus-S Slave or Anybus-M Master interface slots
- Easy configuration via Windows Hyper Terminal
- Supports 150 different network combinations
- “IT functions” such as Web Server with SSL support, Email client, FTP and File access/security functionality included on all versions with Ethernet. 1.4MB available for file storage on Ethernet versions

TECHNICAL SPECIFICATION
- Size: 126x110x42mm (L x W x H) 4.96 x 4.33 x 1.65” (L x W x H)
- DIN-rail mountable
- Protection Class IP20
- Power Supply: 24 VDC
- Temp: Operating 0°C to + 65°C Non-Oper. -40°C to +85°C Humidity: 5 - 95% non-condensing
- EMC Compliance: CE Marked Emission: EN 50081-2 Immunity: EN 50082-2 UL and cUL Compliance: E203225 ATEX Certification: 135419
- Fieldbus Conformance: Tested and verified Anybus technology
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