

For your automation solutions
**Collaborative Automation
Partner Program**

Fieldbus and Industrial Ethernet
connectivity *for your devices through
Anybus® gateway technology*



Schneider Electric
and HMS Industrial
Networks



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Building a New Electric World

> Anybus Communicator and Anybus-X bring different networks safely together! Proven Anybus technology connects your devices or your network to other automation systems and PLC's.

Anybus Communicator connects products with serial interfaces to all major Fieldbus and Industrial Ethernet networks. Anybus-X includes over 150 different versions which connect almost every possible combination of two industrial networks.



Anybus Communicator
Serial to network gateways

Anybus Communicator

Network-enable your serial device! There is one separate version of Anybus Communicator for each major industrial network, such as Ethernet Modbus TCP/IP, FIPIO, Modbus RTU, Modbus Plus, Profibus-DP and DeviceNet. On the serial side, Anybus Communicator is as default configured as a fully implemented Modbus RTU Master, which is designed to communicate with a subnet with one or several Modbus RTU slave devices. However, it can also be configured to support other serial protocols as well as simple ASCII-communication. The PC-based ABC Config Tool allows easy step-by-step configuration of the communication between devices on the serial subnet and the PLC master on the other side of the Anybus Communicator. The configuration can be saved and re-used in future integration projects.

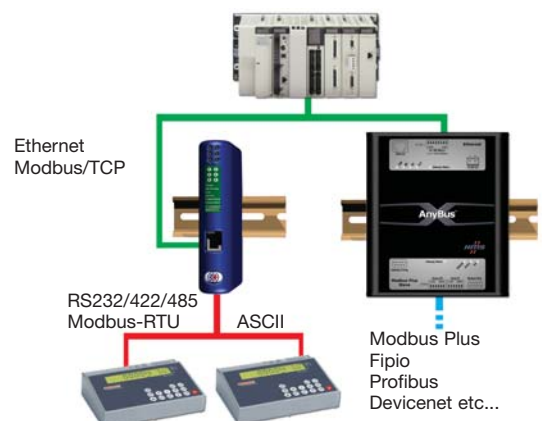


Anybus-X
Network to network gateway

Anybus-X

Choose any two industrial networks and Anybus-X will connect most of them! Anybus-X supports integration between 15 different fieldbus networks, such as Ethernet Modbus TCP/IP, Modbus Plus, Profibus, DeviceNet, CANopen and CC-Link. Equipped with aluminum housing, Anybus-X is designed to withstand harsh industrial environments, helping system integrators to easily interconnect different networks, ensuring the transparent flow of information throughout the entire plant.

Eliminate networking constraints
The network illustration on the right shows the Anybus Communicator and Anybus-X connected to the same PLC on Ethernet Modbus TCP/IP. In this scenario, Anybus Communicator integrates Modbus RTU slave devices and Anybus-X links the Ethernet ModbusTCP/IP network to any other industrial network.





Modbus-IDA
the architecture for distributed automation



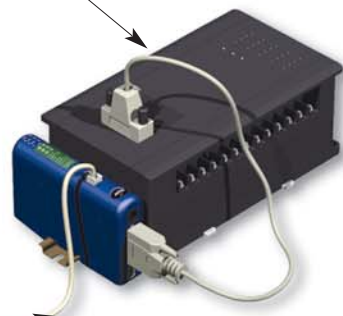
Your global partner
for Modbus solutions

Ethernet Modbus TCP/IP through Anybus

The perfect way to introduce modern web features to existing products and installations!

Using Anybus gateways, it is easy to connect virtually any network, including Ethernet Modbus TCP/IP. Anybus Communicator easily connects devices with serial Modbus RTU ports to Ethernet Modbus TCP/IP and Anybus-X connects all other major networks to Ethernet Modbus TCP/IP.

Serial - Modbus RTU



Ethernet Modbus-TCP/IP

Connect Modbus RTU with Modbus TCP/IP

Anybus Communicator is the perfect tool to connect devices with existing Modbus RTU interfaces via Ethernet MB TCP/IP. The example to the left shows Anybus Communicator connecting the serial Modbus RTU port of a micro PLC to Ethernet Modbus TCP/IP. When configuring the communication through the Windows-based ABC Config Tool, it is possible to address the Modbus RTU slaves with pre-defined Modbus commands and/or own telegram structures, a possibility which takes communication one step further. Devices with simple ASCII communication can be connected to Ethernet Modbus TCP/IP through the Generic Data Mode in the ABC Config Tool. In this mode, it is possible to set-up an easy produce-consume communication with the ASCII device.

Modbus TCP/IP



Any Industrial Network

Connect Modbus TCP/IP to other networks

Anybus-X offers a fast and firm link between Ethernet Modbus TCP/IP and any other Fieldbus or Industrial Ethernet network. Anybus-X is installed as a slave on the Modbus TCP/IP network and either master or slave on the other network of choice. The Anybus-X range of gateways for Modbus TCP/IP permits connection to as many as 20 major industrial networks. Using Anybus-X, it is a very easy task to connect to popular networks like Profibus-DP, DeviceNet, Ethernet/IP, CANopen, ControlNet, AS-I and ProfiNet, enabling integration of all types of Modbus TCP/IP-enabled equipment to other automation segments.

> Anybus Communicator and Anybus-X

*Powerful networking gateways from HMS Industrial Networks
let you see beyond the communication limitations of your device
and your network!*

Anybus Communicator and Anybus-X are extremely powerful tools when targeting systems that must connect between different products and networks. Easy installation and rugged industrial design allows for efficient, safe communication links in new and existing factories.

- Anybus Communicator - serial to fieldbus or Industrial Ethernet gateway.
- Anybus-X - fieldbus to fieldbus or Industrial Ethernet Gateway.
- Includes proven embedded Anybus technology, used in over 350,000 installations globally.
- Industrial design and easy installation for safe and efficient usage.
- Off the shelf availability of over 170 different gateways.



More service with Schneider Electric's worldwide coverage

■ Permanent worldwide availability

With over 5000 sales outlets in 130 countries, wherever you are you can be sure of finding a full range of products to meet your needs and fully compliant with the standards in your country.

■ Technical support

Wherever you are Schneider provides technical support around the world. What's more, Schneider's experts are at hand to work out a customized solution with you.



Connecting Devices

Founded in 1988, HMS Industrial Networks is today a world leader in industrial networking, Industrial Ethernet and Fieldbus Communication, supplying products to the global world of automation. The Anybus® range of products from HMS is the world's most used 3rd party product for industrial network connectivity.

The HMS sales organization spans 48 countries, with headquarters in Halmstad Sweden and major regional offices in Chicago, Tokyo and Karlsruhe.

www.anybus.com