

For your automation solutions

# Collaborative Automation Partner Program

Fieldbus and Industrial Ethernet connectivity  
for Schneider Electric devices  
through Anybus® gateway technology



**Schneider**  
Electric

# Anybus Communicator and Anybus X-gateway

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



**Anybus Communicator**  
Serial to network gateways

## Anybus Communicator

**Anybus Communicator connects products with serial interfaces to all major Fieldbus and Industrial Ethernet networks.**

Network-enable your serial device! There is one separate version of Anybus Communicator for each major industrial network, such as EtherNet/IP, 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-gateway**  
Network to network gateway

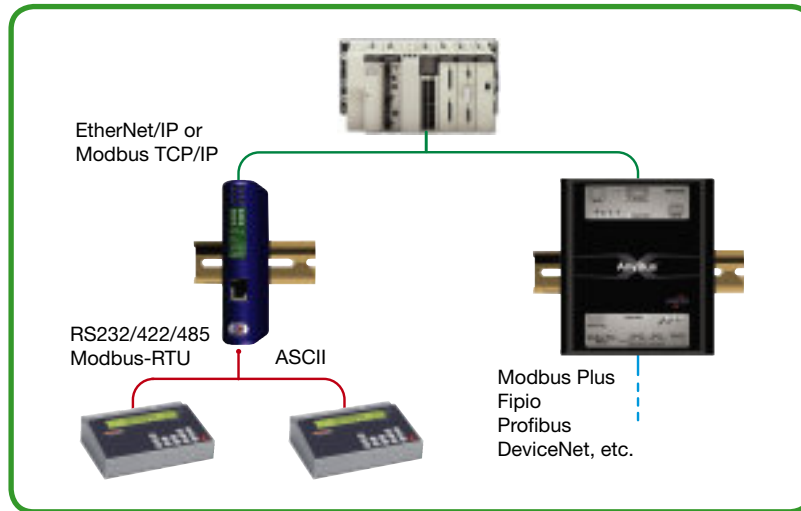
## Anybus X-gateway

**Anybus X-gateway includes over 180 different versions which connect almost every possible combination of two industrial networks.**

Choose any two industrial networks and Anybus X-gateway will connect most of them! Anybus X-gateway supports integration between 18 different fieldbus networks, such as EtherNet/IP, Modbus TCP/IP, Modbus Plus, Profibus, DeviceNet, CANopen and CC-Link. Equipped with aluminum housing, Anybus X-gateway 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-gateway connected to the same PLC on Ethernet Modbus TCP/IP. In this scenario, Anybus Communicator integrates Modbus RTU slave devices and Anybus X-gateway links the Ethernet network to any other industrial network.



**Modbus-IDA**  
the architecture for distributed automation



Your global partner  
for Modbus solutions



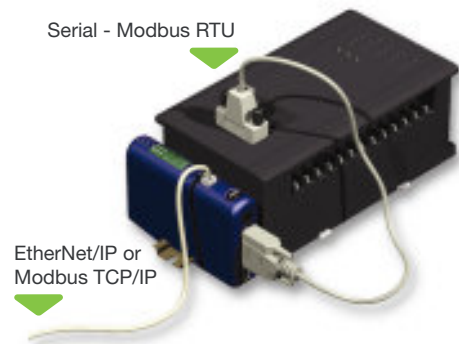
## Ethernet connectivity through Anybus

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

Using Anybus gateways, it is easy to connect virtually any network, including EtherNet/IP or Modbus TCP/IP. Through a simple configuration, with no additional programming required, Anybus gateways provide a flexible fieldbus and Ethernet connectivity for Schneider Electric products.

## Connect Modbus RTU with Ethernet

Anybus Communicator is the perfect tool to connect devices with existing Modbus RTU interfaces to Ethernet. The example to the left shows Anybus Communicator connecting the serial Modbus RTU port of a micro PLC to EtherNet/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/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.



## Connect Ethernet to other networks

Anybus X-gateway offers a fast and firm link between various Fieldbus and Industrial Ethernet networks. Available in master/slave or slave/slave combinations, Anybus X-gateway provides a fast and reliable access from Ethernet to other networks. Using Anybus X-gateway, makes it simple to interconnect popular networks like Profibus-DP, DeviceNet, EtherNet/IP, CANopen, CC-Link, ControlNet, EtherCAT, Profinet, AS-interface and more, enabling full integration between automation segments.

# Anybus Communicator and Anybus X-gateway

Powerful networking gateways from HMS Industrial Networks let you extend the communication capabilities of your device and your network!

Anybus Communicator and Anybus X-gateway 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-gateway - fieldbus to fieldbus or Industrial Ethernet Gateway.
- > Includes proven embedded Anybus technology, used in over 950,000 installations globally.
- > Industrial design and easy installation for safe and efficient usage.
- > Off the shelf availability of over 190 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 Electric 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 50 countries, with headquarters in Halmstad Sweden and major regional offices in Chicago, Tokyo, Beijing, Karlsruhe, Milan and Mulhouse.

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