



Anybus X-gateway – EtherNet/IP Scanner - Modbus RTU Slave

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between EtherNet/IP and Modbus RTU networks.

FAST COPYING OF I/O DATA

The X-gateways primary function is with the fast transfer of cyclic I/O data between the two networks. This offloads your PLC from working with additional calculations. The gateway acts as a Scanner on the EtherNet/IP network and a Slave on the Modbus RTU network. The data transmission is completely transparent with a maximum data capacity of 512 bytes in each direction.

EASY CONFIGURATION - NO PROGRAMMING REQUIRED!

The connection between the two networks is quickly set up in the Anybus Configuration Manager software, included with the X-gateway. No programming skills are needed to set up the X-gateway. As factory default the X-gateways have a pre-defined I/O size of 20 bytes I/O.



Features and benefits

- Fast copying of cyclic I/O data between the two networks (10-15 ms)
- Proven and tested with all PLC manufacturers
- Powerful Scanner interface eliminates the need for a PLC controller on the EtherNet/IP network
- Supports up to a maximum of 512 bytes of Input and Output data in each direction
- Possibility to build web pages displaying and controlling a factory floor process with data from the other connected network
- Fast, dynamic transfer of fieldbus data to e.g. SCADA/HMI/Enterprise level systems based on Microsoft Windows, via the included Anybus OPC server
- Optional control status information added to I/O data for diagnostic purposes
- Robust stand-alone housing for use in harsh industrial environments
- Global free technical support and consultancy

EtherNet/IP Scanner/Master interface

An Anybus X-gateway with an integrated EtherNet/IP Scanner interface can be used when there is no existing EtherNet/IP controlling PLC. The X-gateway will perform EtherNet/IP Scanner functions.

- EtherNet/IP CONFORMANCE TESTED™ by ODVA
- Connects up to 64 EtherNet/IP Adapter/Slaves
- 10/100Mbit operation in full or half-duplex
- Max. 509 bytes Input and 505 bytes Output data
- Optional Live List of the active status of the connected adapters
- Integrated FTP server provides easy file management using standard FTP clients.
- Web server with dynamic data capability and Server Side Include (SSI) capability
- Email client with dynamic data capability and Event-triggered email handling

- Support for CIP Objects
- DNS Capability
- TCP/IP settings via on-board DIP switches, DHCP/ARP/Anybus IPconfig (HICP)
- EtherNet/IP Scanner/Adapter network configuration via in-built web interface or RSLogix/Studio5000 software
- 1x RJ-45 Ethernet port

Modbus RTU Slave interface

Modbus RTU network address settings made via on-board configuration switches

- Complete Modbus RTU slave functionality
- Max 512 bytes of Input and 512 bytes of Output data
- Modbus diagnostics support
- Configuration via on-board DIP switches
- Modbus RTU baudrate 12-57,6 kbit/s
- 1x D-sub 9-pin female network connector

TECHNICAL SPECIFICATIONS

Dimensions (L•W•H)	114 x 44 x 127mm or 4,49 x 1,73 x 5,00"
Weight	400g or 0,880 lbs
Operating temperature	-25 to +65 °C or -13 to +149 °F
Storage temperature	-40 to +85 °C or -40 to +185 °F
Power supply	24 VDC +/- 20% via 2-pole 5.08 mm Phoenix pluggable screw connector
Current consumption	max. 400mA (Typical 200mA)
Enclosure material	Aluminium and plastic
Installation position	Vertical / Flat*
Galvanic isolation	YES, on both BUS/Ethernet side
Mechanical rating	IP20, NEMA rating 1
Mounting	DIN-rail (EN 50022 standard)
I/O configuration	via USB port with Anybus Configuration Manager software
Certifications	CE, CULUS, RoHS

Ordering information

Order Code	AB7678
Included components	Gateway Quick start documentation USB configuration cable Power supply not included Configuration and Anybus OPC server software is available for download.

3 year guarantee. For purchasing instructions and terms and conditions, see: [How to buy](#)

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