



Anybus X-gateway – Interbus CU Slave - Modbus TCP Server

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between Interbus and Modbus TCP 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 an Slave/Server on both networks. 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
- 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

Interbus CU Slave Interface

Interbus Slave address settings can be automatically detected by the controlling PLC.

- Complete Interbus functionality according to EN 50170
- Max. 20 bytes of process data (512 bytes with PCP) in each direction
- PCP V.2.0. (0, 1, 2, or 4 words)
- Interbus baudrate 500 kbit/s – 2 Mbit/s
- Automatic slave address detection by controlling PLC master
- 1x D-sub 9-pin male and 1x D-sub 9-pin female network connector

Modbus TCP Slave interface

Modbus TCP Slave settings can be made either via the built-in web interface, or by importing the provided .EDS file into engineering tool of the controlling PLC.

- Conforms to Modbus TCP v1.0

- Modbus TCP class 0, class 1 and partially class 2 slave functionality
- 10/100Mbit operation in full or half-duplex
- 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
- Per-user security framework
- Quality of Service (QoS) available
- DNS Capability
- TCP/IP settings via DHCP/ARP/Anybus IPconfig (HICP)
- Integrated switch allowing for a daisy-chain topology
- 2x RJ-45 ports available simultaneously.

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	AB7638
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](#)