



## Anybus X-gateway - CANopen Slave - Modbus TCP Server

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between CANopen 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 a Slave 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

## CANopen Slave interface

CANopen Slave settings can be made either via on-board switches, or by importing the provided .EDS file into engineering tool of the controlling PLC.

- Complete CANopen slave functionality according to CANopen Version 4.02
- Max 512 bytes of Input and 512 bytes of Output data (PDO + SDO)
- Customizable PDO mapping
- Up to 80 RPDO's and 80 TPDO's
- Transmission types: PDO Sync, Change-of-state, Event based and RTR
- Network store/restore functionality
- Heartbeat & Node Guarding support
- Supports CANopen baudrates 10 kbit/s – 1 Mbit/s

- CANopen configuration via .EDS file or via on-board rotary switches
- 1x D-sub 9-pin male CANopen 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

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

File

Version

Size

Read online

Ordering information

<b>Order Code</b>	AB7640
<b>Included components</b>	Gateway Quick start documentation USB configuration cable Power supply <b>not</b> 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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