



## Anybus X-gateway – CANopen Slave - PROFINET-IO Device

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between CANopen and PROFINET-IO 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 on the CANopen network and as an Device on the PROFINET-IO network. The data transmission between the two networks 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 CANopen and PROFINET-IO 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

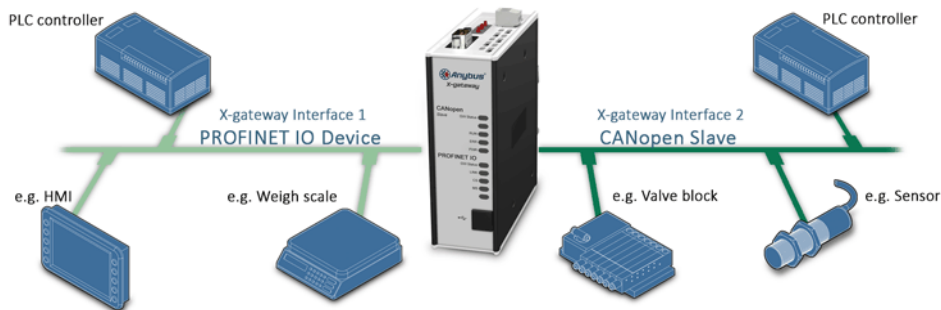
CANopen configuration via .EDS file or via on-board rotary switches

1x D-sub 9-pin male CANopen connector

## PROFINET I/O Device/Slave interface

PROFINET IO Device/Slave settings can be made by importing the provided .GSDML file into engineering tool of the controlling PLC.

- Complete PROFINET-IO Soft-Real-Time (RT) communication
- Max 512 bytes of Input and 512 bytes of Output data
- Up to 64 slots / 1 sub slot
- Cyclic data exchange (10 ms cycle time)
- Acyclic Data exchange (Record Data Requests)
- Baud rate 100 Mbit/s
- 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
- TCP/IP Configuration via DCP (Discovery and Configuration Protocol)
- PROFINET uplink configuration via web interface or .GSDML file
- 1x RJ45 network connector



### 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

## Ordering information

<b>Order Code</b>	AB7658
<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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