



## Anybus X-gateway – ControlNet Adapter - PROFIBUS Slave

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between ControlNet and PROFIBUS 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 Adapter/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 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
- Optional control and status information added to the I/O data for diagnostic purposes
- Robust stand-alone housing for use in harsh industrial environments
- Global free technical support and consultancy

## ControlNet Adapter features

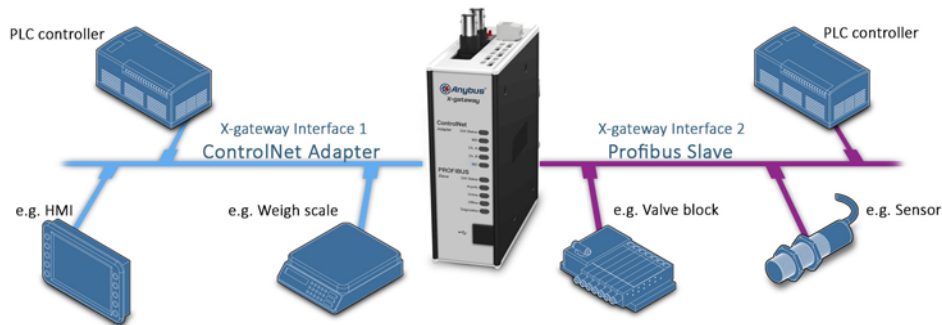
ControlNet Adapter settings can be made either via on-board switches, or by importing the provided .EDS file into engineering tool of the controlling PLC.

- ControlNet CONFORMANCE TESTED™ by ODVA
- ControlNet Specification version: Communications Adapter profile 12
- Max. 450 bytes of Input and 450 bytes of Output data
- ControlNet baudrate 5 Mbit/s
- Supports Polled & Bitstrobed, I/O Change-of-state / cyclic I/O
- Supports media redundancy
- MacID node address setting via DIP switch
- Network Access Port (NAP)
- ControlNet network configuration via .EDS file
- Can be used with RG-6 quad shielded cable
- 2x BNC network connectors

## PROFIBUS Slave interface

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

- Complete PROFIBUS-DP/DPV1 Slave functionality according to extensions of EN 50170
- Supports Class 1 & Class 2 services
- Automatic baudrate detection up to 12Mbit/s
- Max. Cyclic I/O data 244 bytes Input and 244 bytes Output, max 344 bytes total (in+out)
- Acyclic User Parameter data / Diagnostics length - up to 237 bytes
- Supports PROFIBUS features: Sync and Freeze and Watchdog
- PROFIBUS slave settings via on-board switches or via .GSD file
- 1x D-sub 9-pin female PROFIBUS 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>	AB7845
<b>Included components</b>	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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