Anybus X-gateway - PROFINET-IRT Device - PROFIBUS Slave

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between PROFINET-IRT 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 Device/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

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 vis .GSD file
- 1x D-sub 9-pin female PROFIBUS connector

PROFINET IRT Device/Slave interface

PROFINET IRT Device/Slave settings can be made either via the built-in web interface, or by importing the provided .GSDML file into engineering tool of the controlling PLC.

- Complete PROFINET RT and IRT functionality specification 2.3
- Conformance tested supporting Class A, B and C
- Max 512 bytes of Input and 512 bytes of Output data
- Baud rate 10/100 Mbit/s Isochronous cycle times 0.25 to 4 ms (25 Us increments)
- SNMP-MIBII support
- TCP/IP Configuration via DCP (Discovery and Configuration Protocol)
- LLDP (Linked Layer Discovery Protocol)
- Support for I&M (Identification & Maintenance)
- PROFINET uplink configuration via .GSDML file
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously
- PROFINET Asset Management

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, $_C$UL$_{US}$, RoHS

File	Version	Size	Read online

Ordering information

Order Code	AB7508
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: <u>How to buy</u>