



Anybus X-gateway - EtherNet/IP Scanner - PROFINET-IRT Device

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between EtherNet/IP and PROFINET-IRT 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 Scanner on the EtherNet/IP network and a Device on the PROFINET-IRT network. 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 EtherNet/IP and PROFINET-IRT networks (10-15 ms)
- Proven and tested with all PLC manufacturers
- Powerful Scanner interface eliminates the need for a PLC controller on the EtherNet/IP network
- 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

EtherNet/IP Scanner/Master interface

An Anybus X-gateway with an integrated EtherNet/IP Scanner interface can be used when there is no existing EtherNet/IP controlling PLC. The X-gateway will perform EtherNet/IP Scanner functions.

- EtherNet/IP CONFORMANCE TESTED™ by ODVA
- Connects up to 64 EtherNet/IP Adapter/Slaves
- 10/100Mbit operation in full or half-duplex
- Max. 509 bytes Input and 505 bytes Output data
- Optional Live List of the active status of the connected adapters
- 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
- Support for CIP Objects
- DNS Capability
- TCP/IP settings via on-board DIP switches, DHCP/ARP/Anybus IPconfig (HICP)
- EtherNet/IP Scanner/Adapter network configuration via in-built web interface or RSLogix/Studio5000 software
- 1x RJ-45 Ethernet port

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, cULUS, RoHS

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File	Version	Size	Read online
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Ordering information

Order Code	AB7503
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](#).

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