Anybus X-gateway – DeviceNet Scanner - EtherNet/IP Adapter (CIP Routing)

The Anybus X-gateway makes it possible to transfer data between a DeviceNet network up to a Ethernet network which can be Modbus TCP/ EtherNet/IP or HTTP. This gateway version has additional support for **CIP message routing** between EtherNet/IP and DeviceNet.

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 DeviceNet network and an Adapter on the EtherNet/IP network.

EASY CONFIGURATION - NO PROGRAMMING REQUIRED!
This Anybus X-gateway version has its owns Configuration Tool allows you to configure the parameters associated with the Ethernet and DeviceNet network interfaces. The included BWConfig is a Microsoft Windows application that communicates with the X-gateway over a standard RS-232 serial link using the PC serial port or USB serial adapter.

Features and benefits

- Fast copying of cyclic I/O data between the two networks
- Powerful Scanner interface eliminates the need for a PLC controller on the DeviceNet network
- Connects information or control level networks to device level networks for programming, configuration, control or data collection. (E.g. Modbus TCP to DeviceNet)
- Provides CIP Router/Bridge functionality to connect EtherNet/IP to DeviceNet
- Included IT functions - WEB-server, E-mail client, FTP-server, Telnet
- Robust stand-alone housing for use in harsh industrial environments
- Global free technical support and consultancy

DeviceNet Scanner/Master features

An Anybus X-gateway with an integrated DeviceNet Scanner interface can be used when there is no existing DeviceNet controlling PLC.
- DeviceNet CONFORMANCE TESTED™ by ODVA
- DeviceNet Specification version: Communications Adapter profile 12
- Supports up to 63 DeviceNet Adapter/Slaves
- Max. 512 bytes of Input and 512 bytes of Output data
- Optional Live List of the active status of the connected adapters
- DeviceNet baudrate 125, 250, 500 kbit/s
- Supports I/O Slave messaging: Bit strobe, Polling, Cyclic and COS
- MacID node address setting via DIP switches

- 1x 5-pin, 5.08 Phoenix plug connector

EtherNet/IP Adapter/Slave interface

EtherNet/IP adapter 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.

- EtherNet/IP CONFORMANCE TESTED™ by ODVA
- EtherNet/IP Level 2 I/O Server CIP
- 10/100Mbit operation in full or half-duplex
- Max. 509 bytes Input and 505 bytes Output data
- Device Level Ring (DLR) functionality available (announce-based ring participant)
- 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 EtherNet/IP ports available simultaneously

Technical specifications

Dimensions (L•W•D)	126 x 110 x 42mm or 4,96 x 4,33 x 1,65"
Weight	500g or 1,10 lbs
Operating temperature	0 to +65 °C or +32 to +147 °F
Power supply	24 VDC +/- 20% via 2-pole 5.08 mm Phoenix pluggable screw connector
Current consumption	max. 300mA
Enclosure material	Aluminium
Installation position	Vertical
Galvanic isolation	YES, on both BUS/Ethernet side
Mechanical rating	IP20, NEMA rating 1
Mounting	DIN-rail (EN 50022 standard)
Configuration	via 9-pin DSUB RS-232 port with the included BWConfig Windows software
Certifications	CE, $_C$UL$_{US}$, ATEX

File		Version	Size	Read online

Ordering information

Order Code	AB7607
Included components	Gateway Quick start documentation USB configuration cable Resource CD with DeviceNet master configuration software 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