



## Anybus X-gateway – DeviceNet Scanner - EtherNet/IP Adapter

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between DeviceNet and EtherNet/IP 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 DeviceNet network and an Adapter on the EtherNet/IP 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 the two networks (10-15 ms)
- Proven and tested with all PLC manufacturers
- Powerful Scanner interface eliminates the need for a PLC controller on the DeviceNet 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
- Additional version available with **CIP Routing** feature between EtherNet/IP and DeviceNet. (AB7607)

## DeviceNet Scanner/Master features

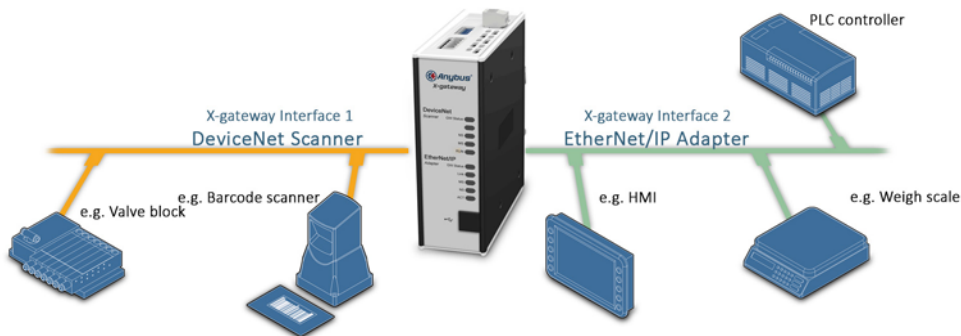
An Anybus X-gateway with an integrated DeviceNet Scanner interface can be used when there is no existing DeviceNet controlling PLC.

- 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

<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>	AB7916
<b>Included components</b>	Gateway Quick start documentation USB configuration cable Resource CD with DeviceNet master configuration software 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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