



Anybus X-gateway – DeviceNet Scanner - CANopen Slave

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between DeviceNet and CANopen 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 a Slave on the CANopen 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 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
- Powerful Scanner interface for DeviceNet eliminates the need for a PLC controller
- 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

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

CANopen Slave interface

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

- Complete CANopen slave functionality according to CANopen Version 4.02
- Max 512 bytes of Input and 512 bytes of Output data (PDO + SDO)
- Customizable PDO mapping
- Up to 80 RPDO's and 80 TPDO's
- Transmission types: PDO Sync, Change-of-state, Event based and RTR
- Network store/restore functionality
- Heartbeat & Node Guarding support
- Supports CANopen baudrates 10 kbit/s – 1 Mbit/s
- CANopen configuration via .EDS file or via on-board rotary switches
- 1x D-sub 9-pin male CANopen connector

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

File	Version	Size	Read online
------	---------	------	-------------

Ordering information

Order Code	AB7816
Included components	Gateway Quick start documentation USB configuration cable Resource CD with DeviceNet master configuration software Power supply not included Configuration software is available for download.

3 year guarantee. For purchasing instructions and terms and conditions, see: [How to buy](#).

Copyright © 2020 HMS Industrial Networks - All rights reserved.