



Anybus X-gateway - CANopen Slave - POWERLINK Device

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between CANopen and POWERLINK 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 Slave/Device on both networks. The data transmission is completely transparent with a maximum data capacity of 254 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)
- Supports up to a maximum of 512 bytes of PDO + SDO Input and Output data in each direction
- Supports up to a maximum of 254 bytes of PDO Input and Output data in each direction
- 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

CANopen Slave interface

CANopen 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

POWERLINK Device/Slave interface

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

- Max 254 bytes of Input and 254 bytes of Output data
- Baud rate 100 Mbit/s Isochronous
- Supports ring redundancy
- POWERLINK uplink configuration via .XDD file
- Dual port hub
- Multiplexing
- Poll Response Chaining
- Supports segmented SDO transfer
- Dual RJ-45 ports available simultaneously

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
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Ordering information

Order Code	AB7531
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Included components	Gateway Quick start documentation USB configuration cable Power supply not included Configuration software is available for download
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3 year guarantee. For purchasing instructions and terms and conditions, see: [How to buy](#).

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