



## Anybus X-gateway - EtherCAT Slave - POWERLINK Device

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between EtherCAT 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

## EtherCAT Slave interface

EtherCAT Slave settings can be made by importing the provided .XML file into engineering tool of the controlling PLC.

- Complete EtherCAT slave according to DS 301 V4.022
- Supports CANopen over EtherCAT
- Max 512 bytes of Input and 512 bytes of Output data (PDO + SDO)
- Baudrate 100 Mbit/s full duplex
- 4 FMMU channels (can be used freely by the EtherCAT master for any purpose.)
- 4 SM channels
- Bit-oriented FMMU operation
- Position addressing, node addressing and logical addressing
- DI Watchdog
- Output I/O Sync Manager Watchdog

- Integrated switch allowing for a daisy-chain topology
- 2x RJ45 EtherCAT connectors

## 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

<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

File	Version	Size	Read online
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### Ordering information

<b>Order Code</b>	AB7527
<b>Included components</b>	Gateway Quick start documentation

USB configuration cable  
Power supply **not** included

Configuration software is available for download

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

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