



Anybus X-gateway - EtherNet/IP Scanner - POWERLINK Device

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between EtherNet/IP 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 Master on the EtherNet/IP network and a Slave/Device on the POWERLINK network. 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)
- Proven and tested with all PLC manufacturers
- Powerful Scanner/Master interface eliminates the need for a PLC controller on the EtherNet/IP network
- 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

EtherNet/IP Scanner/Master interface

An Anybus X-gateway with an integrated EtherNet/IP Scanner interface can be used when there is no existing EtherNet/IP controlling PLC. The X-gateway will perform EtherNet/IP Scanner functions.

- EtherNet/IP CONFORMANCE TESTED™ by ODVA
- Connects up 64 EtherNet/IP Adapter/Slaves
- 10/100Mbit operation in full or half-duplex
- Max. 509 bytes Input and 505 bytes Output data
- Optional Live List of the active status of the connected adapters
- 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
- Support for CIP Objects
- DNS Capability
- TCP/IP settings via on-board DIP switches, DHCP/ARP/Anybus IPconfig (HICP)
- EtherNet/IP Scanner/Adapter network configuration via in-built web interface or RSLogix/Studio5000 software
- 1x RJ-45 Ethernet port

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


 Engineering information

Order Code	AB7524
Included components	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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