



Anybus X-gateway – PROFIBUS Master – PROFINET-IO Device

The Anybus X-gateway allows you to seamlessly inter-connect PLC control systems and their connected devices between PROFIBUS and PROFINET 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 PROFIBUS network and a Device on the PROFINET 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 PROFIBUS and PROFINET-IO networks (10-15 ms)
- Proven and tested with all PLC manufacturers
- Powerful Scanner interface eliminates the need for a PLC controller on the EtherNet/IP 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

PROFIBUS Master/Scanner interface

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

- Complete Profibus DP Master functionality according to IEC 61158
- Controls up to 125 slaves
- Optional Live List of the active status of the connected slaves (max 64 slaves)
- Maximum 512 bytes of I/O data in each direction
- Supports all baudrates up to 12Mbit/s
- Supports multiple masters (token passing)
- Profibus Master/Slave configuration via the included Anybus Configuration Manager Windows tool via an RS-232 configuration port
- 1x D-Sub9 Male and 1x D-Sub9 Female connector

PROFINET I/O Device/Slave interface

PROFINET IO Device/Slave settings can be made by importing the provided .GSDML file into engineering tool of the controlling PLC.

- Complete PROFINET-IO Soft-Real-Time (RT) communication
- Max 512 bytes of Input and 512 bytes of Output data
- Up to 64 slots / 1 sub slot
- Cyclic data exchange (10 ms cycle time)
- Acyclic Data exchange (Record Data Requests)
- Baud rate 100 Mbit/s
- 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
- TCP/IP Configuration via DCP (Discovery and Configuration Protocol)
- PROFINET uplink configuration via web interface or .GSDML file
- 1x RJ45 network 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

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|----------------------------|---|
| Order Code | AB7646 |
| Included components | Gateway Quick start documentation USB configuration cable Serial cable for PROFIBUS master configuration Resource CD with PROFIBUS master configuration software Power supply not included Configuration and Anybus OPC server software is available for download. |

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

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