

## Anybus X-gateway - CANopen Master - CANopen Slave

Item number: AB7304-B

The Anybus X-gateway CANopen Master to CANopen Slave enables you to connect any CANopen device or equipment to CANopen control systems. It can be used when there is no existing CANopen control system. Anybus gateways ensure reliable, secure, high-speed data transfers between different industrial networks while being easy to use.



*A protocol converter that connects CANopen devices to  
CANopen PLCs*

### Features and benefits

- ✓ **Reach new markets**  
Target new markets using different protocols without needing to change your hardware or software, thereby decreasing your time to market and development costs.
- ✓ **Slim hardware design**  
The gateway is designed for IP20 and DIN-rail mounting, enabling you to install it with ease, close to connected devices, thereby reducing wiring requirements.
- ✓ **Easy configuration – No programming required!**  
Quickly establish the connection between the two networks with the included Anybus Configuration Manager software. No programming skills are required for the setup process.
- ✓ **Powerful**  
Up to 512 bytes of Input and Output data in each direction.
- ✓ **Life cycle management**  
HMS maintains every part of the gateway, including network updates, throughout the product's lifecycle.
- ✓ **No PLC card slot needed**  
The gateway does not use a card slot in the control system, leaving room for other equipment.
- ✓ **3-year warranty**  
The gateway is designed to be robust and long-lasting. A 3-year guarantee is provided.
- ✓ **Increased PLC performance**  
The gateway allows for fast transfer of cyclic I/O data between the two networks, offloading your PLC from working with additional calculations.
- ✓ **Trusted partner**  
Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.

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## General

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Net Width (mm)                                 | 27                                 |
| Net Height (mm)                                | 120                                |
| Net Depth (mm)                                 | 75                                 |
| Net Weight (g)                                 | 150                                |
| Packed Width (mm)                              | 135                                |
| Packed Height (mm)                             | 55                                 |
| Packed Depth (mm)                              | 170                                |
| Packed Weight (g)                              | 300                                |
| Operating Temperature °C Min                   | -25                                |
| Operating Temperature °C Max                   | 55                                 |
| Storage Temperature °C Min                     | -40                                |
| Storage Temperature °C Max                     | 85                                 |
| Current Consumption Type Value at Vcc Nom (mA) | 100mA @ 24V DC                     |
| Current Consumption Max value at Vcc nom (mA)  | 250mA @ 24V DC                     |
| Input Voltage (V)                              | 24V DC (-10% to +10%)              |
| Power Connector                                | 2-pin, 5.08 Phoenix plug connector |
| Reverse Polarity Protection                    | Yes                                |
| Short Circuit Protection                       | Yes                                |
| Isolation                                      | TRUE                               |

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## General

|                            |                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Content of Delivery        | Gateway, quick start documentation, and connector terminals are included. Configuration software and Anybus OPC Server software are available for download. |
| Not Included (in delivery) | PLEASE NOTE: IXXAT USB-CAN configuration adapter (1.01.0281.12001) is not included and required for configuration of device. Power supply not included.     |
| Mounting                   | DIN-rail (EN 50022 standard)                                                                                                                                |
| Housing Materials          | Plastic                                                                                                                                                     |
| Packaging Material         | Cardboard                                                                                                                                                   |

## Identification and Status

|                   |            |
|-------------------|------------|
| Product ID        | AB7304-B   |
| Country of Origin | Sweden     |
| HS Code           | 8517620000 |
| Dual Usage        | No         |

## Physical Features

|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| Connectors / Input / Output | 1x D-sub 9-pin male, 1x D-sub 9-pin male                           |
| DIP & Rotary Switches       | 3x Rotary CAN Address + Baudrate, 3x Rotary CAN Address + Baudrate |
| Contains Battery            | No                                                                 |

## CANopen Features

|                                 |                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| CANopen Mode                    | Master mode, Slave mode, Slave mode                                                                   |
| CANopen Baud Rate               | 20 kbit/s - 1000 kbit/s, 10 kbit/s - 1000 kbit/s                                                      |
| CANopen Supported Functionality | PDO; DS301 4.0.2; DSP302; EMCY; LSS; NMT; CMT; SYNC; Heart beat; Node guarding; PDO, SDO; DS301 v4.02 |
| CANopen Configuration File      | EDS available                                                                                         |
| CANopen No. Of Slaves           | up to 126                                                                                             |
| CANopen Input Data Size         | 510 bytes, 512 bytes                                                                                  |
| CANopen Output Data Size        | 510 bytes, 512 bytes                                                                                  |

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## Certifications and Standards

|                        |                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protection Class IP    | IP20                                                                                                                                                 |
| RoHS Compliant         | Yes                                                                                                                                                  |
| Recycle / Disposal     | TRUE                                                                                                                                                 |
| Product Certifications | CE, UL, WEEE                                                                                                                                         |
| UL Information         | E214107: Ord.Loc UL508, CSA C22.2 NO. 142; E203225: Haz.Loc CL I DIV2 GP A,B,C,D T4, ANSI/ISA 12.12.01, CAN/CSA C22.2 No. 213, CAN/CSA C22.2 No. 142 |
| ATEX Information       | II 3 G Ex nA ic IIC T4 Gc, EN 60079-0; EN60079-15; EN60079-11                                                                                        |
| Environment            | EN 61000-6-4, EN 55016-2-3 Class A, EN 55022 Class A, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6             |
| WEEE Category          | IT and telecommunications equipment                                                                                                                  |