

## Anybus X-gateway – CANopen Master – PROFINET-IO Device

Item number: AB7307-B

The Anybus X-gateway CANopen Master to PROFINET-IO Device enables you to connect any CANopen Master device or equipment to PROFINET-IO 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 PROFINET-IO 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)	140
Packed Width (mm)	14
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	205
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
Isolation	TRUE
Not Included (in delivery)	USB-to-CAN interface for configuration. Order Code 1.01.0281.12001
Mounting	DIN-rail (EN 50022 standard)

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## General

Housing Materials	Plastic
Packaging Material	Cardboard

## Identification and Status

Product ID	AB7307-B
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

## Physical Features

Connectors / Input / Output	1x D-sub 9-pin male, 2x RJ45
DIP & Rotary Switches	3x Rotary CAN Address + Baudrate

## CANopen Features

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

## PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	Soft Real-Time (RT); Max 64 slots / 1 sub-slot; DCP support; Acyclic Data exchange
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	10/100Mbit full/half duplex down to 1ms
PROFINET Input Data Size	512 bytes



## PROFINET Features

<b>PROFINET Output Data Size</b>	512 bytes
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## Certifications and Standards

<b>Protection Class IP</b>	IP20
<b>Recycle / Disposal</b>	TRUE
<b>UL Information</b>	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
<b>ATEX Information</b>	II 3 G Ex nA ic IIC T4 Gc, EN 60079-0; EN60079-15; EN60079-11
<b>Environment</b>	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
<b>WEEE Category</b>	IT and telecommunications equipment