

## Anybus X-gateway - PROFIBUS Master - PROFINET-IRT Device

Item number: AB7500-F

The Anybus X-gateway PROFIBUS Master to PROFINET-IRT Device enables you to connect any PROFIBUS device or equipment to PROFINET-IRT control systems. It can be used when there is no existing PROFIBUS 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 PROFIBUS devices to PROFINET-IRT 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.
- ✓ **Trusted partner**  
Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.
- ✓ **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.
- ✓ **Life cycle management**  
HMS maintains every part of the gateway, including network updates, throughout the product's lifecycle.

# Anybus X-gateway - PROFIBUS Master - PROFINET-IRT Device



## General

|  |                                    |
|--|------------------------------------|
| Net Width (mm)                                 | 44                                 |
| Net Height (mm)                                | 127                                |
| Net Depth (mm)                                 | 114                                |
| Net Weight (g)                                 | 400                                |
| Packed Width (mm)                              | 17                                 |
| Packed Height (mm)                             | 9                                  |
| Packed Depth (mm)                              | 19                                 |
| Packed Weight (g)                              | 750                                |
| Operating Temperature °C Min                   | -25                                |
| Operating Temperature °C Max                   | 65                                 |
| Storage Temperature °C Min                     | -40                                |
| Storage Temperature °C Max                     | 85                                 |
| Current Consumption Type Value at Vcc Nom (mA) | 200mA @ 24V DC                     |
| Current Consumption Max value at Vcc nom (mA)  | 400mA @ 24V DC                     |
| Input Voltage (V)                              | 24V DC (-20% to +20%)              |
| Power Connector                                | 2-pin, 5.08 Phoenix plug connector |
| Reverse Polarity Protection                    | Yes                                |
| Short Circuit Protection                       | Yes                                |
| Isolation                                      | TRUE                               |

# Anybus X-gateway - PROFIBUS Master - PROFINET-IRT Device



## General

|                    |                              |
|--------------------|------------------------------|
| Mounting           | DIN-rail (EN 50022 standard) |
| Housing Materials  | Aluminium, Plastic           |
| Packaging Material | Cardboard                    |

## Identification and Status

|   |            |
|---|------------|
| Product ID                                  | AB7500-F   |
| Country of Origin                           | Sweden     |
| HS Code                                     | 8517620000 |
| Dual Usage                                  | No         |
| Export Control Classification Number (ECCN) | 5A991.b.1  |

## Physical Features

|                             |   |
|-----------------------------|---|
| Connectors / Input / Output | 1x D-sub 9-pin male and 1x D-sub 9-pin female, 2x RJ45, USB-B Config port |
| Contains Battery            | No  |

## PROFIBUS Features

|                                  |   |
|----------------------------------|---|
| PROFIBUS Mode                    | Master  |
| PROFIBUS Supported Functionality | PROFIBUS DP Master functionality according to IEC 61158;Acyclic Communication (DP-V1, Class 1 & 2);LiveList;ControlStatus |
| PROFIBUS Device Address          | 0-125   |
| PROFIBUS No. Of Devices          | 125   |
| PROFIBUS Configuration File      | GSD available   |
| PROFIBUS Baud Rate               | 9600 bit/s - 12 Mbit/s  |
| PROFIBUS Input Data Size         | 512 bytes   |
| PROFIBUS Output Data Size        | 512 bytes   |

## PROFINET Features

|               |       |
|---------------|-------|
| PROFINET Mode | Slave |
|---------------|-------|

# Anybus X-gateway - PROFIBUS Master - PROFINET-IRT Device



## PROFINET Features

|                                  |  |
|----------------------------------|--|
| PROFINET Supported Functionality | IRT, SNMP                                  |
| PROFINET Configuration File      | GSDML available                            |
| PROFINET Bandwidth               | 100MBit full duplex down to 1ms cycle time |
| PROFINET Input Data Size         | 512 bytes                                  |
| PROFINET Output Data Size        | 512 bytes                                  |

## Certifications and Standards

|                            |  |
|----------------------------|--|
| Protection Class IP        | IP20   |
| RoHS Compliant             | Yes  |
| Recycle / Disposal         | TRUE   |
| CE                         | Yes  |
| FCC                        | No   |
| UL                         | Yes  |
| UL Information             | E214107: Ord.Loc UL508, CSA C22.2 NO. 142  |
| EMC                        | Yes  |
| 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 |
| Waste Certification (WEEE) | Yes  |
| WEEE Category              | IT and telecommunications equipment  |