# Anybus .NET Bridge – PROFIBUS to .NET Bridge

**Item number: AB9071-C**

The Anybus PROFIBUS to .NET Bridge converts PROFIBUS to C#, enabling you to connect any PROFIBUS PLC control system with any .NET solution on a PC. The .NET Bridge uses simulators and code generators to simplify integration.

*Connect a function block in a PLC and a .NET solution on a PC.*

# Features and benefits

### Connect OT and IT

The .NET Gateways enable PLC control systems to connect with .NET solutions, integrating OT and IT.

### Maximum Performance with Streamer Mode

For applications requiring minimum delay and maximum performance, the .NET Bridge can be used in streamer mode, where data streams are exchanged directly without any handshake.

### 3-year warranty

The .NET Bridges are designed to be robust and long-lasting. A 3-year guarantee is provided.

### Large data communication

Supports 65535 different message types, each with a unique ID. The max message size is 251 bytes. Messages are sent sequentially over the same IO data facilitating large data communication.

### Life cycle management

HMS maintains every part of the .NET Gateways, including network updates, throughout the product's lifecycle.

### Code generator

The Anybus .NET Bridge Code Generator creates C# files for the .NET programmer and PLC files for the PLC programmer according to a defined spreadsheet.

### Simulators

The configuration software includes two simulators — a PLC simulator for the .NET programmer and a .NET simulator for the PLC programmer.

### Easy-to-use interface for the PLC programmer

A function block, provided by Anybus, manages the handshake on the PLC side and provides an easy-to-use interface for the PLC programmer.

### Automatic configuration setup

If a bridge needs to be replaced, the .NET application will automatically set up the configuration.

# Anybus .NET Bridge – PROFIBUS to .NET Bridge

## General

| | |
|---|---|
| **Net Width (mm)** | 35 |
| **Net Height (mm)** | 110 |
| **Net Depth (mm)** | 101 |
| **Net Weight (g)** | 252 |
| **Packed Weight (g)** | 504 |
| **Operating Temperature °C Min** | -25 |
| **Operating Temperature °C Max** | 60 |
| **Storage Temperature °C Min** | -40 |
| **Storage Temperature °C Max** | 85 |
| **Current Consumption Type Value at Vcc Nom (mA)** | 150mA @ 24V DC |
| **Current Consumption Max value at Vcc nom (mA)** | 300mA @ 24V DC |
| **Input Voltage (V)** | 24V DC (-15% to +20%) |
| **Power Connector** | 3-pin, 5.08 Phoenix plug connector |
| **Isolation** | TRUE |
| **Mounting** | DIN-rail (EN 50022 standard) |
| **Housing Materials** | Plastic |
| **Packaging Material** | Cardboard |

## Identification and Status

| | |
|---|---|
| **Product ID** | AB9071-C |
| **Country of Origin** | Sweden |

# Anybus .NET Bridge – PROFIBUS to .NET Bridge

## Identification and Status

| | |
|---|---|
| **HS Code** | 8517620000 |
| **Export Control Classification Number (ECCN)** | 5A991.b.1 |
| **Supply Risk Factor ERP** | Used in Volume 01 |

## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | 2xRJ45 |

## Certifications and Standards

| | |
|---|---|
| **Protection Class IP** | IP20 |
| **Recycle / Disposal** | TRUE |
| **UL Information** | E214107: Ord.Loc UL 61010-1, UL 61010-2-201, CSA C22.2 NO. 61010-1-12, CSA C22.2 NO. 61010-2-201:14; E203225: Haz.Loc CL I DIV2 GP A,B,C,D T4, ANSI/ISA 12.12.01, ANSI/ISA 12.12.01 |
| **ATEX Information** | II 3 G Ex nA IIC T4 Gc, EN IEC 60079-0; EN 60079-15 |
| **Environment** | EN 61000-6-4, EN 55016-2-3 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 |