# Anybus .NET Bridge – EtherCAT to .NET Bridge

**Item number: AB9079-C**

The Anybus EtherCAT to .NET Bridge converts EtherCAT to C#, enabling you to connect any EtherCAT 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.

**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.

**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.

**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.

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## General

| | |
|---|---|
| **Net Width (mm)** | 35 |
| **Net Height (mm)** | 110 |
| **Net Depth (mm)** | 101 |
| **Net Weight (g)** | 160 |
| **Packed Width (mm)** | 135 |
| **Packed Height (mm)** | 55 |
| **Packed Depth (mm)** | 170 |
| **Packed Weight (g)** | 220 |
| **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 |
| **Mounting** | DIN-rail (EN 50022 standard) |
| **Housing Materials** | Plastic |
| **Packaging Material** | Cardboard |

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## Identification and Status

| | |
|---|---|
| **Product ID** | AB9079-C |
| **Country of Origin** | Sweden |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |
| **Export Control Classification Number (ECCN) (Applies only to the U.S)** | 5A991.b.1 |

## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | 2xRJ45 |
| **Contains Battery** | No |

## Certifications and Standards

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|---|---|
| **Product Certifications** | CE, WEEE |
| **WEEE Category** | IT and telecommunications equipment |