Anybus .NET Bridge – PROFINET to .NET Bridge

Item number: AB9077-C

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

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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	AB9077-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, 2x RJ45
Contains Battery	No

PROFINET Features

PROFINET Configuration File	GSDML available

Certifications and Standards

Product Certifications	CE, WEEE
WEEE Category	IT and telecommunications equipment



Use Case

