

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)	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
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	TRUE
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)	5A991.b.1

Physical Features

Connectors / Input / Output	2xRJ45
Contains Battery	No

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
CE	Yes
FCC	No
UL	Yes
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
EMC	Yes
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
Waste Certification (WEEE)	Yes
WEEE Category	IT and telecommunications equipment