

The Anybus X-gateway ControlNet Adapter to EtherCAT Slave enables you to connect any ControlNet control system to any EtherCAT 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 ControlNet and EtherCAT control systems

Features and benefits

Target new markets using different protocols without needing to change your hardware or software, thereby decreasing your time to market and development costs.

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.

Quickly establish the connection between the two networks with the included Anybus Configuration Manager software. No programming skills are required for the setup process.

Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.



The gateway does not use a card slot in the control system, leaving room for other equipment.

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

The gateway allows for fast transfer of cyclic I/O data between the two networks, offloading your PLC from working with additional calculations.

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

Anybus X-gateway – ControlNet Adapter - EtherCAT Slave



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)	600
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

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General

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

Identification and Status

Product ID	AB7687-F
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.4b

Physical Features

Connectors / Input / Output	2xRJ45, USB-B Config port
Contains Battery	No

EtherCAT Features

EtherCAT Mode	Slave / SubDevice
EtherCAT Supported Functionality	COE (Can Over EtherCAT); PDO, SDO
EtherCAT Configuration File	ESI available
EtherCAT Bandwidth	10/100 Mbit
EtherCAT Input Data Size	512 bytes
EtherCAT Output Data Size	512 bytes

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE

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Certifications and Standards

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