Anybus X-gateway – CANopen Master – EtherCAT Slave

Item number: AB7300-B

The Anybus X-gateway CANopen Master to EtherCAT Slave enables you to connect any CANopen Master device or equipment to EtherCAT control systems. It can be used when there is no existing CANopen 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 CANopen devices to EtherCAT PLCs

Features and benefits

Reach new markets

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

Slim hardware design

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.

Easy configuration – No programming required!

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

Powerful

Up to 512 bytes of Input and Output data in each direction.

Life cycle management

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

No PLC card slot needed

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

3-year warranty

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

Increased PLC performance

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

Trusted partner

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

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General

Net Width (mm)	27
Net Height (mm)	120
Net Depth (mm)	75
Net Weight (g)	140
Packed Width (mm)	14
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	205
Operating Temperature °C Min	-25
Operating Temperature °C Max	55
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	100mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	250mA @ 24V DC
Input Voltage (V)	24V DC (-10% to +10%)
Power Connector	2-pin, 5.08 Phoenix plug connector
Isolation	TRUE
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Plastic

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General

Packaging Material	Cardboard

Identification and Status

Product ID	AB7300-B
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1
Supply Risk Factor ERP	Used in Volume 01

Physical Features

Connectors / Input / Output	1x D-sub 9-pin male, 2xRJ45
DIP & Rotary Switches	3x Rotary CAN Address + Baudrate

CANopen Features

CANopen Mode	Master mode, Slave mode
CANopen Baud Rate	20 kbit/s - 1000 kbit/s
CANopen Supported Functionality	PDO, SDO; DS301 4.0.2; DSP302; EMCY; LSS; NMT; CMT; SYNC; Heart beat; Node guarding
CANopen No. Of Slaves	up to 126
CANopen Input Data Size	510 bytes
CANopen Output Data Size	510 bytes

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

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EtherCAT Features

EtherCAT Output Data Size	512 bytes

Certifications and Standards

Protection Class IP	IP20
Recycle / Disposal	TRUE
UL Information	E214107: Ord.Loc UL508, CSA C22.2 NO. 142; E203225: Haz.Loc CL I DIV2 GP A,B,C,D T4, ANSI/ISA 12.12.01, CAN/CSA C22.2 No. 213, CAN/CSA C22.2 No. 142
ATEX Information	II 3 G Ex nA ic IIC T4 Gc, EN 60079-0; EN60079-15; EN60079-11
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
WEEE Category	IT and telecommunications equipment