Anybus X-gateway - Modbus TCP Client - CANopen Slave

Item number: AB9004-B

The Anybus X-gateway Modbus TCP Client to CANopen Slave enables you to connect any Modbus TCP device or equipment to CANopen control systems. It can be used when there is no existing Modbus TCP 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 Modbus TCP devices to CANopen 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)	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
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	TRUE

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General

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

Identification and Status

Product ID	AB9004-B
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, 1x D-sub 9-pin male
Contains Battery	No

CANopen Features

CANopen Mode	Slave mode
CANopen Baud Rate	10 kbit/s - 1000 kbit/s
CANopen Supported Functionality	PDO, SDO; DS301 v4.02; LSS; Clear/Freeze; Automatic baud detection
CANopen Configuration File	EDS available
CANopen Input Data Size	256 bytes
CANopen Output Data Size	256 bytes

Modbus-TCP Features

Modbus-TCP Mode	Master / Client
Modbus-TCP Supported Functionality	Modbus specification V1.1B; Endian Conversion (Byte swap); LiveList; ControlStatus
Modbus-TCP No. Of Servers	64 transactions

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Modbus-TCP Features

Modbus-TCP Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 23
Modbus-TCP Bandwidth	10/100 Mbit/s down to 10ms
Modbus-TCP Input Data Size	256 bytes
Modbus-TCP Output Data Size	256 bytes

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
Product Certifications	CE, UL, WEEE
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
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
WEEE Category	IT and telecommunications equipment