

Anybus X-gateway - Modbus TCP Client - EtherNet/IP Adapter

Item number: AB9006-B

The Anybus X-gateway Modbus TCP Client to EtherNet/IP Adapter enables you to connect any Modbus TCP device or equipment to EtherNet/IP 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 EtherNet/IP 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)	14
Packed Height (mm)	6
Packed Depth (mm)	17
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	AB9006-B
Successor	ABC3207-A, ABC3290-A, ABC3290EX-A
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

Connectors / Input / Output	2xRJ45, 2xRJ45
Contains Battery	No

EtherNet/IP Features

EtherNet/IP Mode	Adapter / Slave
EtherNet/IP Supported Functionality	DLR; QoS; Daisy Chainging; ODVA Conformance
EtherNet/IP Configuration File	EDS available
EtherNet/IP Bandwidth	10/100MBit
EtherNet/IP Input Data Size	256 bytes
EtherNet/IP 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

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Modbus-TCP Features

Modbus-TCP No. Of Servers	64 transactions
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
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