Anybus Communicator EtherNet/IP Scanner – Modbus TCP server

Item number: ABC3328-A

The Anybus Communicator EtherNet/IP Scanner to Modbus TCP enables you to connect EtherNet/IP devices to Modbus TCP control systems. Anybus Communicators ensure reliable, secure, and high-speed data transfer between different industrial networks. They include built-in cybersecurity features and are compliant with the Cyber Resilience Act (CRA). Thanks to our intuitive web-based user interface, they're also incredibly easy to use.



A protocol converter that connects EtherNet/IP devices to Modbus TCP control systems

Features and benefits

Connect 32 adapters with EDS import

Supports up to 32 adapters, 500 bytes per connection (Class 1 Exclusive Owner), and an RPI down to 1 ms for demanding applications. Import EDS files via the web interface f0or easy mapping or configure connections manually.

Instant data transfer

The Communicator transfers data instantly between networks, with processing time so low you don’t even need to count it, as it’s in line with network jitter. Just add the cycle times of both networks to get the total transfer time.

Diagnostics and support

The user interface shows connection status, allowing you to monitor data going through the gateway. Monitor and control nodes via the Live List and Data Exchange Control features. Our global support team is ready to help if needed.

Secure and segment networks

Secure boot blocks malware, while a security switch locks configurations to prevent unauthorized changes. Network segmentation is inherent in the design, as each network is run separately, with only configured data transferred between networks.

Cyber Resilience Act (CRA)-ready

Developed under an IEC 62443-4-1 certified process, with HTTPS configuration, role-based access control, and a physical security switch to help meet CRA requirements.

Transfer 1500 bytes to and from Modbus TCP controller (PLC)

Transfer up to 1500 bytes in each direction (3000 bytes total) via dual 10/100 Mbit full-duplex RJ45 ports with an integrated switch for daisy-chaining. Modbus TCP Server supporting 4 connections.

Configure via web interface over Ethernet

With a graphical and responsive web interface, configuration is a breeze. In addition, there's no software to install and the dedicated Ethernet configuration port makes it easy to get started.

Drop-in replacement

Already using an X-gateway? Don’t worry, with legacy mode you can continue using the same configuration in your controller/PLC.

Built for factory floors

The Gateway is made with industrial-grade components, verified to meet industry standards, and backed by a 5-year warranty. Its slim form factor, front-facing ports, and cable tie make DIN-rail installation easy.

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General

Net Width (mm)	27
Net Height (mm)	144
Net Depth (mm)	98
Net Weight (g)	150
Packed Width (mm)	35
Packed Height (mm)	170
Packed Depth (mm)	115
Packed Weight (g)	185
Operating Temperature °C Min	-25
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	90mA @ 24V DC (2.2W)
Current Consumption Max value at Vcc nom (mA)	125mA @24V DC (3W)
Input Voltage (V)	12-30V DC
Power Connector	3-pin, 5.08 Phoenix plug connector
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	Yes

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General

Content of Delivery	Gateway, power connector, start-up guide, compliance information sheet
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94 VO
Packaging Material	Cardboard
Warranty (years)	5

Identification and Status

Product ID	ABC3328-A
Model Code	40-ETH-ETH-B
Predecessor	AB7699-F
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;RJ45 Config port
Push Buttons	Factory reset
DIP & Rotary Switches	Security lock switch
Contains Battery	No

EtherNet/IP Features

EtherNet/IP Mode	Scanner / Master
EtherNet/IP Supported Functionality	EDS import; Endian conversion (byte swap); LiveList; DataExchangeControl; QoS; CT20 ODVA Conformance
EtherNet/IP No. Of Adapters	32

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EtherNet/IP Features

EtherNet/IP Configuration File	EDS available
EtherNet/IP Bandwidth	10/100MBit down to 1ms cycle time
EtherNet/IP Input Data Size	1500 bytes
EtherNet/IP Output Data Size	1500 bytes

Modbus-TCP Features

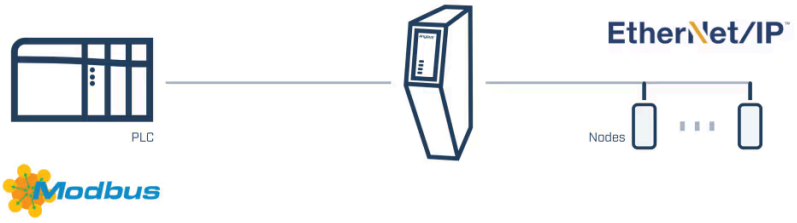
Modbus-TCP Mode	Slave / Server
Modbus-TCP Supported Functionality	Modbus specification V1.1b3; 4 connections; Daisy chaining
Modbus-TCP Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 23, 43/14
Modbus-TCP Bandwidth	10/100 Mbit/s
Modbus-TCP Input Data Size	1500 bytes
Modbus-TCP Output Data Size	1500 bytes

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	Yes
Product Certifications	CE, UL, KC, WEEE, EMC
UL Information	E214107: Ord.Loc UL 61010-1, CSA C22.2 No. 61010-1, UL 61010-2-201, CSA C22.2 No. 61010-2-201
Environment	EN 55016-2-3 Class A, EN 55032 Class A, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6



Use Case



The Anybus Communicator EtherNet/IP Scanner is the easiest and most reliable way to connect EtherNet/IP devices to control systems.