Anybus Communicator Modbus TCP Client – Modbus TCP Server

Item number: ABC3228-A

The Anybus Communicator Modbus TCP Client – Modbus TCP Server enables you to connect any Modbus TCP device to any Modbus TCP control system. Anybus Communicators ensure reliable, secure, and high-speed data transfer between industrial networks. Thanks to our intuitive web-based user interface, they're also incredibly easy to use.

An industrial gateway that connects Modbus TCP devices and control systems

Features and benefits

Connect up to 64 Modbus TCP Servers

With support for up to 64 connections, 1500 bytes per Server, 152 transactions, minimum cycle time down to 10 ms a wide range of applications can be handled with ease.

Instant data transfer

The Communicator transfers data instantly between networks, with processing time so low you don't even need to count it, as its 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 servers 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.

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 is 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 import your current Modbus Client configuration in the web-interface.

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 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
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94 VO
Packaging Material	Cardboard

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Identification and Status

Product ID	ABC3228-A
Model Code	40-ETH-ETH-B
Predecessor	ABC9008-B
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	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

Modbus-TCP Features

Modbus-TCP Mode	Master / Client;Slave / Server
Modbus-TCP Supported Functionality	Modbus specification V1.1B; Endian Conversion (Byte swap); LiveList; DataExchangeControl;Modbus specification V1.1b3; 4 connections; Daisy chaining
Modbus-TCP No. Of Servers	152 transactions / 64 connections
Modbus-TCP Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 23, 43/14
Modbus-TCP Bandwidth	10/100 Mbit/s down to 10ms;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

Certifications and Standards

RoHS Compliant	Yes
Recycle / Disposal	Yes
CE	Yes
FCC	No
UL	Yes
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
KC	Yes
EMC	Yes
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
Waste Certification (WEEE)	Yes

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Use Case
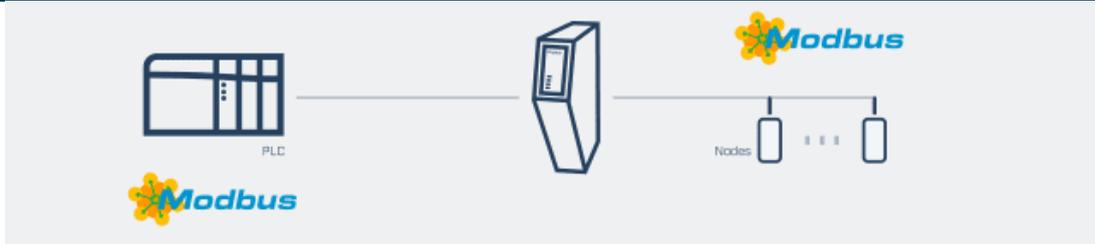
The Anybus Communicator Modbus TCP Client – Modbus TCP Server connects Modbus TCP control systems to Modbus TCP devices.