



EtherNet/IP Tag Client / Modbus RTU Master

FEATURES

- Fully User Configurable Modbus RTU Master
- Fully User Configurable EtherNet/IP Tag Client
- Supports For Up To 31 Modbus RTU Slaves
- Supports Modbus Function Codes 1, 2, 3, 4, 5, 6, 15, and 16
- User Configurable Map from PLC Tags / Files to Modbus RTU Slaves
- Support for Logix, PLC5E, 5/05, and MicroLogix PLCs
- Effortless Browser Based Configuration
- 10/100 Base-T Operation
- Includes Ethernet Device Management Tool
- No Programming Required

An Instant Device Converter™ Product

Easily Move Your Modbus RTU Device Data To Any Allen Bradley PLC

Move Your Data Where You Want, When You Want, How You Want

Move Modbus RTU Data to Allen Bradley PLCs

It's well known that there are gaps in the Allen Bradley architecture. Those gaps are designed to move you through their automation product line into higher performance, higher cost products. While they may have you convinced that their proprietary equipment is your only option, you can now look forward to having more options. That's where the 460ETCMM comes in.

With the 460ETCMM you can now quickly and easily connect Modbus RTU devices to one of your programmable controllers like a ControlLogix, CompactLogix, FlexLogix, PLC5E, SLC505 or MicroLogix.

Simplicity — It Just Moves Data from Modbus RTU Into PLCs

The 460ETCMM exists for one purpose and one purpose **only**; to move data between Modbus RTU Slaves and an Allen Bradley PLC. This means you will never have to deal with additional features that you don't need. You will not have to search through a few-hundred page manual or burn the midnight oil to set up our unit. The 460ETCMM module is designed with a single purpose in mind: so that it can be quickly and easily configured and deployed.

What Makes it so Simple to Use?

Your data transfer is configured via your internet browser. Simply log into your unit using an included discovery tool and you are ready to configure the unit with the web browser interface. You set the number of Modbus RTU Slave devices. You define the data that gets transferred and you pick where it should end up in the PLC. There is no software to download or code to futz with. It sounds simple, and it is— that's the point!

The 460ETCMM is the smart connection solution for moving data from Modbus RTU Slave devices to an Allen Bradley PLC. Saving you money and increasing the abilities of the PLCs within your automation processes.

The Legend Begins

"It's likely that your business isn't industrial networking and it shouldn't be. You make products, products that do wonderful things. Whatever it is that you make, the process creates data. If you're a control engineer and your plant has been around for more than a few years your floor is probably littered with devices that send out all kinds of data and in most cases data comprised of many different protocols. If you're an automation device developer you probably need to move your data into some other network. Either way, you've got a device conversion problem. You have devices that generate ASCII data, Modbus RTU, Ethernet TCP Data, DeviceNet data or some other completely proprietary data and now you're the person that has to move that data to some other network!"

*I feel your pain... and rather than just my sympathy, I have a solution for you. You see, while your business may not be moving data around a factory floor mine is. In fact, it's all that we have done for over twenty years now. Our 460 series of Device Converters is the culmination of those twenty years. You can now move all of your data, where you want, when you want and how you want. Best of all **THE HARDEST PART IS OPENING THE BOX.**"*

John Rinaldi

It's Easy to Set Up

Sound complicated? It's not. Just Three Simple Steps!

ONE: Start by opening the web page for the device with Internet Explorer.

TWO: Edit the EtherNet/IP Tag Client and Modbus RTU Master communication modules to connect to your system using our easy browser based configuration page.

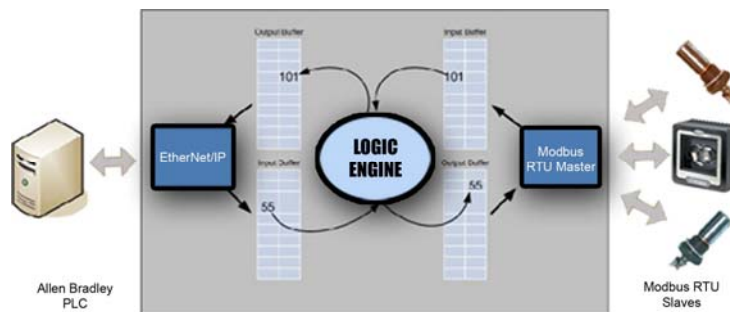
THREE: Set the IP Address, Subnet Mask, and Gateway Address to match your field setup and then connect our configured unit to your system.

Nothing complicated, and best of all it's browser driven!

NO SPECIAL SOFTWARE IS REQUIRED

How Does It Work?

The products in the Instant Device Converter product line contain an IEC 61131-3 Control Engine that moves your data from buffer to buffer. Input data from one network is moved to the output buffer of one or more other networks. Input data from those networks is moved to the output area of the other networks.



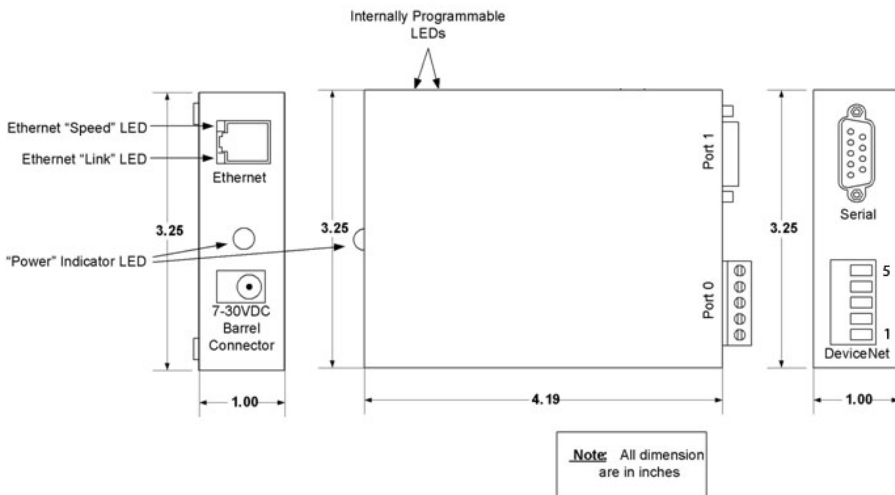
ENCLOSURE / HARDWARE	
Size	4.2" x 3.25" x 1"
Weight	5 oz.
Enclosure Type	Anodized Aluminum
Mounting	Din Rail
Connectors	Port 0: T-STRIP (RS232, RS485/RS422, CAN) Port 1: DB-9 (RS232, RS485/RS422, CAN) <i>**Only one RS232, RS485/RS422, or CAN port setting can be active per unit**</i> RJ45 10/100 Base-T (Ethernet) 2 Pin Barrel Connector
LEDs	Ethernet Link/Data, Ethernet Speed, Power, and two general purpose LEDs

ELECTRICAL/ENVIRONMENTAL/TOOLS	
Network Interface	10/100 Base-T with RJ-45 Connector
Power	8 V @ 230 mA to 28 V @ 80 mA
Maximum Serial Baud Rate	115K Baud
Device IP Address Management	IPSetup™ — automatically locates RTA Instant Device Converters
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals



REAL TIME AUTOMATION

Dimensions



Connector Pin-Outs

PORT 1 (DB9)				
Pin	RS-232	RS-485	RS-422	CAN
1	CD	-	-	-
2	RX	TX-	TX-	CANL
3	TX	-	RX+	-
4	DTR	-	-	-
5	GND	GND	GND	GND
6	DSR	-	RX-	-
7	RTS	TX+	TX+	CANH
8	CTS	-	-	-
9	RI	-	PWRIN	PWRIN

PORT 0 (TStrip)				
Pin	RS-232	RS-485	RS-422	CAN
1	GND	GND	GND	GND
2	RX	TX-	TX-	CANL
3	TX	TX+	TX+	SHEILD
4	RTS	RX-	RX-	CANH
5	CTS	RX+	RX+	PWRIN

CATALOG #	DESCRIPTION
460ETCMM	EtherNet/IP Tag Client / Modbus RTU Master Gateway

Sales & Service

PLACING YOUR ORDER

Orders can be placed 24 hours per day. You can place your order by faxing 262-439-4989 or emailing orders@rtaautomation.com.

TECHNICAL SUPPORT

Phone Support: 1-800-249-1612 during normal business hours

Email Support: Is available by emailing support@rtaautomation.com

Support for Other Industrial Networks

Versions of the **460 Line of Instant Device Converters** support a large number of industrial networks and more are being added. Every one of these are implemented using our simple web-based integration and configuration architecture found in all 460 Device Converters. Connect any number of protocols with the same easy integration and configuration the 460 Line

INDUSTRIAL NETWORK SUPPORTED			
ASCII RS232	Modbus RTU Slave	Raw TCP Client	EtherNet/IP Server
ASCII RS485	Modbus TCP Server	Raw TCP Server	EtherNet/IP Client
BACnet IP	Modbus RTU Master	CANopen Slave	DeviceNet Master
Modbus TCP Client	*** CALL ABOUT YOUR PROPRIETARY PROTOCOL ***		DeviceNet Slave

Proprietary Protocol Support

The **460 Instant Device Converters** can be customized for specific applications and proprietary communications. All 460 Instant Device Converters are based on an IEC 61131-3 Programming Engine. The engine supports Five worldwide, open standard programming languages providing maximum flexibility for controlling your data as it moves around your factory floor or building. Logic can be added to the Instant Device Converter using standard Ladder Logic, Structured Text, Sequential function Charts or Function Block Programming. You can do the Programming yourself or an RTA Application System Engineer can implement a highly tailored solution specific to your application.



REAL TIME AUTOMATION

For More Information:

1-800-249-1612
products@rtaautomation.com