460MMBS

Features

- Move Your Legacy Modbus RTU data to BACnet/IP Networks
- · Fully Compliant BACnet IP Server
- Supports Up To 150 Analog Input and 150 Analog Output Properties
- Supports Up to 1600 BACnet Binary Input and 1600 Binary Output Properties
- Fully User Configurable Modbus RTU Master
- · Support for up to 31 Modbus RTU Devices
- Up to 400 Modbus Registers per modbus Slave Device
- Support for Function Code 3,4,6 and 16
- · Effortless Browser Based Configuration
- 10/100 BaseT Operation
- Includes Ethernet Device Management Tool
- No Programming Required

Move Modbus RTU Slave Register Data To Your Building Automation Systems

The 460MMBS moves data between a group of Modbus RTU Slave devices and a BACnet/IP enabled Building Automation System (BAS). There are thousands of Modbus RTU sensors and actuators which are commonly used in building systems. These devices include temperature sensors, power meters, air handlers, drives, flow meters and other sensors of every type imaginable.

With the 460MMBS you have a device that you can quickly deploy and easily configure to access and integrate these devices into Building Automation Systems.

Move Your Data Bi-directionally

You can both send data to your Modbus RTU Slave devices from a BACnet/IP Client and also receive data from your RTU slaves using analog and binary properties. A total of 150 analog input properties, 150 analog output properties, 1600 binary inputs and 1600 binary outputs can be connected to as many as 31 Modbus RTU Slave devices.

Configure Your Data Transfer from a Web Page

All the data transfer is configured using the embedded web server. You define the number of Modbus RTU slave devices and the Modbus registers and coils connected to the analog and binary BACnet properties.

Modbus RTU to BACnet/IP Converter



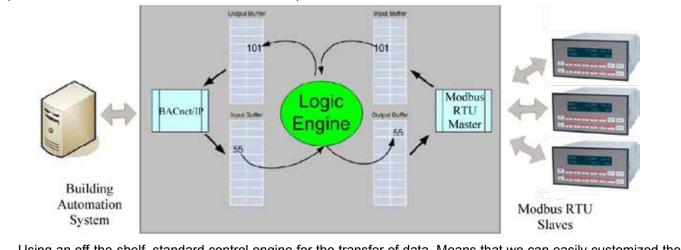
Specifications:

ENCLOSURE / HARI	DWARE
Size	4.2" x 3.25" x 1"
Weight	6.5 oz.
Enclosure Type	Anodized Aluminum
Mounting	Din Rail
Connectors	Port 0: TSTRIP (RS232, RS-485,
	CAN)
	Port 1: DB-9 (RS232, RS485, CAN)
	(Only one RS232, RS485, or CAN
	port setting can be active per unit. For example, a unit cannot have two
	ports set for RS232 or two ports set
	for CAN.)
	RJ45 10/100 Base-T (Ethernet)
	Barrel Power Connector (2.1mm P5)
LEDs	Ethernet Link/Data LED, Ethernet
	Speed LED, Power LED, & 2 gen-
	eral purpose LEDS on side.
CONTROL LOGIC	
Specification	IEC 61131-3
Supported Logic Types	Ladder Logic, Instruction List, Func-
	tion Block Programming, Structured
	Text, and Sequential Function Chart
Application Debug &	Included
Monitoring Visualization Access	Damata Duaman
	Remote Browser
Data Typing ELECTRICAL/ENVI	Strong Data Typing
Network Interface	10/100 BaseT with RJ-45 Connector
	8 V @ 230 mA to 28 V @ 80 mA
DC Input Voltage	1.2 A @ 7.5 VDC
Power Adapter Maximum Baud Rate	
Device IP Address	115K Baud
	IPSetup [™] — automatically locates
	RTA Instant Device Converters
Management	RTA Instant Device Converters
Management Operating Temperature	-40 C to 85 C
Management	



How It Works:

The products in the Instant Device Converter product line contain a IEC standard 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.



Using an off-the-shelf, standard control engine for the transfer of data. Means that we can easily customized the software to meet your specific application requirements.

Easy Setup:

ONE, Start by opening the web page for the device from any browser. All you need to do is simply enter your IP and Gateway Addresses and set your network mask. fig 1

TWO, Edit your communication modules. Configure your device object properties like Modbus Timeout, Modbus Delay, Device Name, Analog Input and Output, and Binary Input and Output. fig 2

THREE, View the summary list of Modbus registers supported by the device. And You're Done!

Fig 1 - Main Page Screen Shot

Description	Enter an applicati	on description.	Edit	
460MMBS Network Settings	IP address: Subnet mask. Default gateway: MAC address.	192 168.0 1	Edit	
Selected Communication Modules		11 panity, 8 data bits, 1 stop bit r 2.0 Testing icts to Expose.	Edit	
Server Module Configuration	BACnet IP Server No configurable parameters			
Client Module Configuration	Modbus RTU Master No devices configured			

Fig 2 - Communications Module Screen Shot

Commo Me	enicati Idale	-	Action	Enabled?				Detail	
Modbus		Master	Edi	~	Response Delay Beta		10	ms (10-100 ms (10-100	
	RTU				Connector Baud	Part 1 (100)		No 211	
					2000	Line of		1.001	
		Slave							
	TCP	Ciert							
	ICP	Server							
EthemedilP	-	Clert							
	Server	(Tur)							
	2	Master							
Devicel	VET	Slave							
		Clort							
		Server	£40	*	Device Instance Device Name Description	Therea.	0-419430	a) 	

Fig 3 - Communications Module Screen Shot

Device Comm Buffer Module 4 Modbus RTL Master	C	Device Address Device Label	Dat		Data Out			
			Registers (or Colls)	P	Program Tags	Registers (or Colls)		Program Tags
	Modbus RTU		PointType	Add	hess Length	PointType	Address Length	
	Aasser	Slave	-	0	0	-	0	0
				0	0	8	0	0
		Address		0	0	8	0	a
		(1.254)		0	4		6	0
				0	0	1	0	0
				0	0	N N	0	a

Ordering Information			
MODEL #	DESCRIPTION		
460MMBS	Modbus RTU to BACnet/IP Converter		

