REAL TIME AUTOMATION, INC.
N26W23315 Paul Road, Pewaukee, WI 53072
800.249.1612 | solutions@rtautomation.com

REAL TIME AUTOMATION GATEWAY 460PSMC-NNA1

MODBUS TCP/IP TO PROFINET IO

KEY FEATURES

- Fully configurable PROFINET device
- Supports up to 1280 bytes of data in each direction on PROFINET IO
- Fully configurable Modbus TCP/IP Client
- Connects up to 32 Modbus TCP/IP servers
- Effortless browser-based configuration, no programming software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- 5-year hardware warranty

Get Your Modbus TCP/IP Server Devices Connected to a PROFINET IO Controller

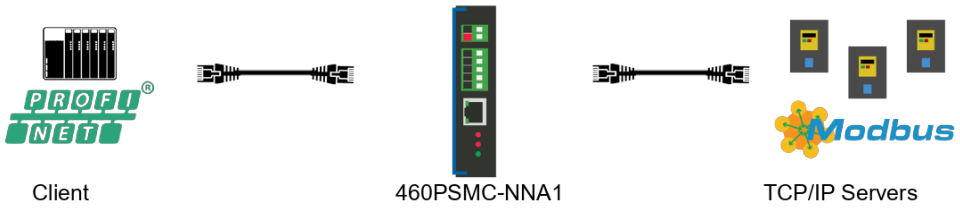
The 460PSMC moves data between up to 32 Modbus TCP/IP server devices and a PROFINET IO controller like a S7. It's the perfect tool to tie legacy or cost-effective Modbus TCP/IP devices into your PROFINET architectures.

Best of all, the product comes with 5-year warranty.

How Do I Use the 460PSMC In My Application?

Modbus TCP/IP server register and coil data will be mapped into 10 PROFINET IO slots. Each slot will be assigned a data type and consist of up to 128 bytes of data from any of your Modbus TCP/IP server devices.

When writing from your PROFINET IO controller to your Modbus TCP/IP devices, there will be up to 10 slots each defined by the same types. Data in those slots can be mapped to registers and coils in any Modbus TCP/IP server.



Why Use RTA As Your Gateway Supplier?

We are dedicated to being your trusted partner. When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support it comes from technical experts who know the product inside and out.

ALWAYS IN STOCK | READY TO SHIP | BREWED IN WISCONSIN | EXPERT SUPPORT | 5-YEAR WARRANTY | PROTOCOL PARTNER

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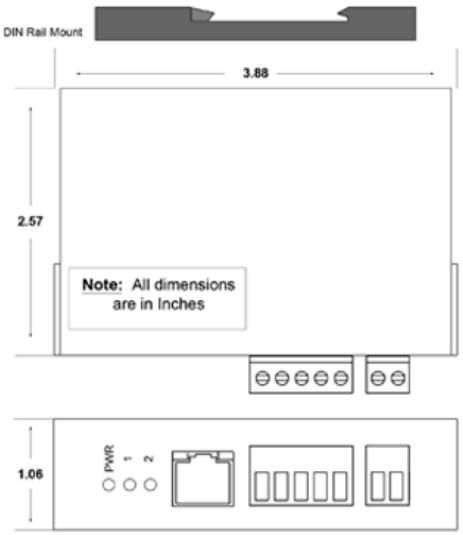
PROFINET IO SERVER FEATURES	
Maximum Number of Slots	10 Slots in, 10 Slots out
Slot Data Segment Sizes	8, 16, 32, 64 or 128 Bytes
Each Slot Can be Defined for a Single Data Type of	Int8, int16, int32, int64, UInt8, Uint16, Uint32, Uint64, float, double, binary8, binary16 or binary32, Short String
Total Data Supported in Each Direction	1280 Bytes
Maximum Profinet IO Controller Connections	1
String Support	1 string per slot
MODBUS TCP CLIENT FEATURES	
Operation Mode	Modbus TCP/IP Client
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus TCP/IP Server Devices	32
Number Read/Write Scan Lines per Server Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 125 Registers or 512 Coils

INCLUDED WITH GATEWAY	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff

ELECTRICAL/ENVIRONMENTAL	
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals
ENCLOSURE/HARDWARE	
Size	3.88" x 2.57" x 1.06"
Weight	5.5 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Power LED & 2 general purpose LEDs on side
GATEWAY FEATURES & FUNCTIONS	
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
Status and Counters	Protocol specific status, counters, and error messages are accessible within the gateway's diagnostics page. They can also be delivered to a connected device.
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages & error messages.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?
RTA offers a full line of gateway products. Give us a call at 1-800-249-1612 or visit www.rtautomation.com. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460PSMC-NNA1	Modbus TCP/IP to PROFINET IO