**REAL TIME AUTOMATION, INC.**
N26W23315 Paul Road, Pewaukee, WI 53072
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REAL TIME AUTOMATION GATEWAY 460PSMC-N2E

# 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.

Client 460PSMC-N2E TCP/IP Servers

## 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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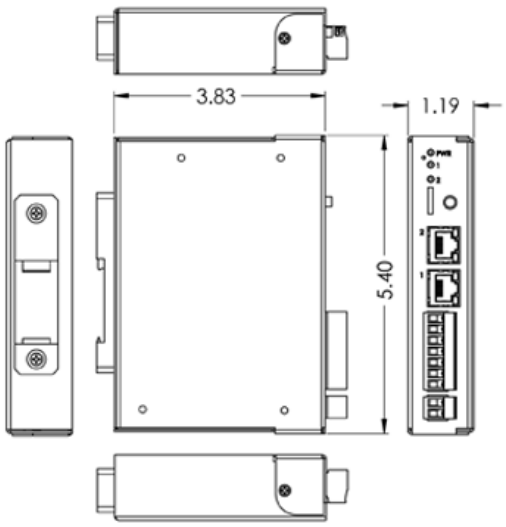
| PROFINET IO SERVER FEATURES | |
|---|---|
| Maximum Number of Slots | 10 Slots in, 10 Slots out |
| Slot Data Segment Sizes | 8, 16, 32, 64 or 128 Bytes |
| Each Slot Can be Defined for a Single Data Type of | Int8, int16, int32, int64, UInt8, Uint16, Uint32, Uint64, float, double, binary8, binary16 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, Class I Div 2 |
| **ENCLOSURE/HARDWARE** | |
| Size | 5.40" x 3.83" x 1.19" |
| Weight | 7.6 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-N2E | Modbus TCP/IP to PROFINET IO |