

Modbus TCP/IP to PROFINET IO

FEATURES

- Fully configurable PROFINET device
- Supports up to 1280 bytes of data in each direction on PROFINET IO
- Fully configurable Modbus TCP/IP server
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus TCP/IP client
- 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 Client Device Connected to a PROFINET IO Controller

The 460PSMS moves data between a Modbus TCP/IP client and a PROFINET IO controller like a S7. It's the perfect tool to tie legacy or cost effective Modbus TCP/IP controllers into your PROFINET architectures. Best of all, the product comes with 5-year warranty.

How Do I Use the 460PSMS-N34 in My Application?

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

When writing from your PROFINET IO controller to your Modbus TCP/IP device, 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 your Modbus TCP/IP client.

Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

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 is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



Client



460PSMS-N34



TCP/IP Client

A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience all the better. Thirty years later, our mission remains the same: **To move your data where you need it, when you need it, and how you need it.**

PROFINET SERVER FEATURES

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| 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 SERVER FEATURES

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|--|--|
| Operation Mode | Modbus TCP/IP Server |
| Function Codes Supported | 1,2,3,4,5,6, 15 & 16 |
| Swapping | Byte and Word Swapping |
| Maximum Modbus TCP/IP Client Connections | 10 |
| Contiguous Data Areas | 200 Total - 100 reads & 100 writes |
| Data Area Limits | 512 Contiguous Coils or 512 Contiguous Registers |

INCLUDED WITH GATEWAY

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|---|--|
| 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 |
| Manual | |

ELECTRICAL / ENVIRONMENTAL

| | |
|-----------------------|--|
| DC Input Voltage | 8 VDC @ 230mA to 28 VDC @ 80 mA |
| 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

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|----------------|---|
| Size | 4.2" x 3.25" x 1" |
| Weight | 7 oz |
| Enclosure Type | Anodized Aluminum |
| Mounting | Din rail or panel mount |
| LEDs | Ethernet link/data LED, Ethernet speed LED, power LED, & 2 general purpose LEDs on side |

GATEWAY FEATURES & FUNCTIONS

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|-------------------------|--|
| Alarming | Set <, <=, >, >=, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent. |
| Gateway Security | You can configure up to 9 different users access to diagnostic and configuration screens. |
| Translation Table | Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway. |
| 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?
Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at www.rtautomation.com/products. We also offer customizations for unique applications.

| CATALOG # | DESCRIPTION |
|-------------|--|
| 460PSMS-N34 | Connects a PROFINET IO controller with a Modbus TCP client |

