PROFINET IO Controller to MQTT

FEATURES

- Fully configurable PROFINET device

- Supports up to 1280 bytes of data in each direction on PROFINET IO

- Bring your factory data to the cloud

- Support for MQTT, AWS and Azure

- Effortless Browser Based Configuration, no programming software is required

- Simple data translation allows you to manipulate data as it passes between protocols

- Guaranteed Stock

- 5-Year Hardware Warranty

Bridge a PROFINET Controller to MQTT

The 460PSQT moves data between a PROFINET controller and an MQTT application, AWS or Azure. Use the data to easily log data, build a dashboard or create a sophisticated alarm system.

Best of all, the product is made in the USA, always in stock, and comes with 5-year warranty.

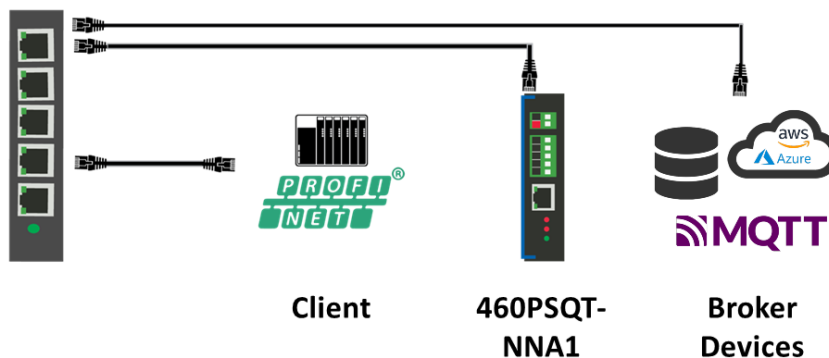### How Do I Use the 460PSQT-NNA1 in My Application?

PROFINET IO data is mapped directly to and from topics in an MQTT broker. That gateway will act as a standard PROFINET IO device to your PLC.

SSL transport layer security protects the data moving from your operations network to the cloud.

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.
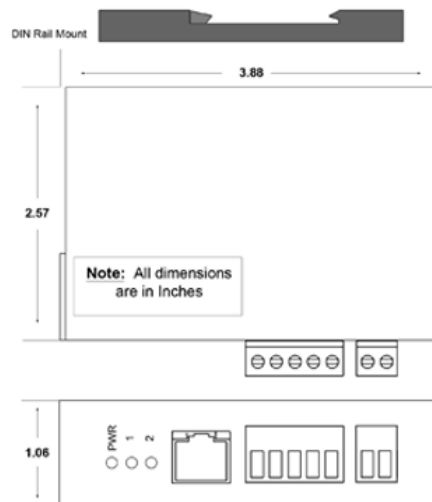
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

Client   460PSQT-NNA1   Broker Devices

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 IO Server

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

MQTT

Operation Mode	Generic MQTT, Amazon Web Services (AWS), Microsoft Azure
Max Broker Connections	Up to 3 Generic MQTT Connections, 1 AWS, 1 Azure
Max Data Points Per Connection	1000 Read and 1000 Write Topics
Security	SSL certificate based cloud access
Supported Data Formats	JSON
Data Payload	Topic Name and Value

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
Manual	

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

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.

DIN Rail Mount

3.88

2.57

Note: All dimensions are in Inches

1.06

PWR 1 2

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
460PSQT-NNA1	Easily and securely connect a PROFINET controller to cloud applications

FIVE YEAR 5 WARRANTY

Made in the **U.S.A.**

Always In **Stock**

Ready to **Ship**

Expert **Support**

Real Time Automation, Inc.   solutions@rtautomation.com   **1-800-249-1612**