MiNE by **MONNIT**®

Remote Monitoring for Business

MiNE

Getting Started
with PoE•X Sensors

I. INTRODUCTION

This guide is specific to the differences of working with PoE•X sensor line. Before reading this you should be familiar with using the Mine SDK with ALTA Sensors and gateways. For more information please see the Mine User Guide.

When programming for a PoE•X device in Mine, you'll have to manage both a sensor object and a gateway object. To facilitate using the same sensor configuration parameters as other Monnit Sensors and standard gateway configurations as other Monnit gateways and PoE•X sensors internally utilize two unique identifiers and functions segregated and referred to as SensorID and functions as well as GatewayID and functions. There is not a separate gateway device needed, all functions for both objects are contained within the single device. To accommodate these functions and configuration capabilities of the device the implementation of the device in Mine will require managing both objects in code. The separation can be hidden from the end user if you choose to do so.

REGISTRATION

In order to properly register a PoE•X device to Mine, you'll have to follow these steps:

1. Go to https://www.imonnit.com/DeviceInfo and enter your PoE•X device identifier into the form.

2. This interface will recognize the device as a PoE•X device and it will return both Sensor and Gateway object information.

> Note: The information retrieved manually through the Device Info page is also available programatically with JSON or XML through the following Rest API's: (https://www.imonnit.com/api)
>
> - **SensorLookup**
> - **GatewayLookup**
> - **WifiGatewayLookup (This is an undocumented API with the same parameters as SensorLookup, and the same result object as gatewaylookup. Originally used with our WiFi line of sensors, it is now also needed for our PoE•X line as well).**

3. Use that Gateway information to create your Gateway object into the Mine server.

4. Having created your Gateway object, you will now be able to register your PoE•X Sensor to it.

5. With the Sensor information provided from the DeviceInfo form, you'll be able to create a Sensor object as well.

6. Register the Sensor to the Gateway object using the gateway you already registered.

    - PoE•X device is now ready to talk to Mine, once you point the device to your Mine Server.

7. Configure your PoE•X device to point to your application ID address by visiting https://www.imonnit.com/setHost.

    - Your PoE•X device will need to be unlocked in order to change the default server host from the iMonnit Platform.

II. ACTIONS AVAILABLE

When wanting to update configurations to your PoE•X device you'll have to utilize both Gateway and Sensor objects.

Most configuration updates will be implemented through the Sensor object. The sensor object will share the configuration by type with other Monnit sensor lines (ALTA/Gen1) which are also PoE ready. Allowing you to re-use code written between different sensor lines

The other configurations will be changed through the Gateway object. In particular when you're wanting to set a static IP address for the device, or change the host IP Address that the device communicates with. Also enabling data interfaces (Modbus/SNMP) can be done through the gateway object.

The methods for updating these configurations for the PoE•X are shared with the ALTA EGW4 Ethernet Gateway. Also allowing you to re-use the code you write here to easily use other sensor lines as needed.

SUPPORT

For technical support and troubleshooting tips please visit our support library online at monnit.com/support/. If you are unable to solve your issue using our online support, email Monnit support at support@monnit.com with your contact information and a description of the problem, and a support representative will call you within one business day.

For error reporting, please email a full description of the error to support@monnit.com.

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