



FieldServer ENOTE

Setup and Configure a ProtoAir Gateway for the Local Wi-Fi Network

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T18022

1 PREREQUISITES

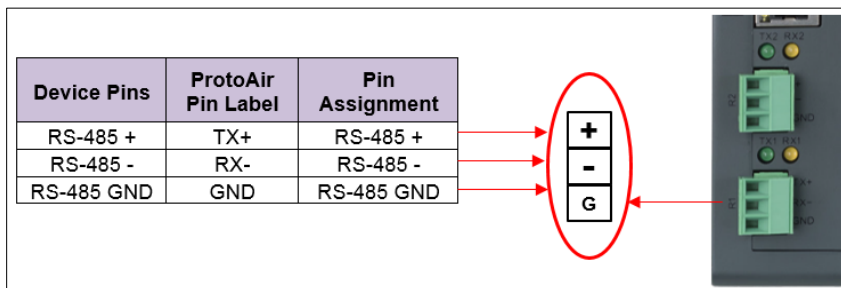
Prior to installation the following is needed:

- Wi-Fi connectivity to the local network must be available at the site.
- The site's Wi-Fi SSID and password.
- Customer device(s) that will connect to the gateway.

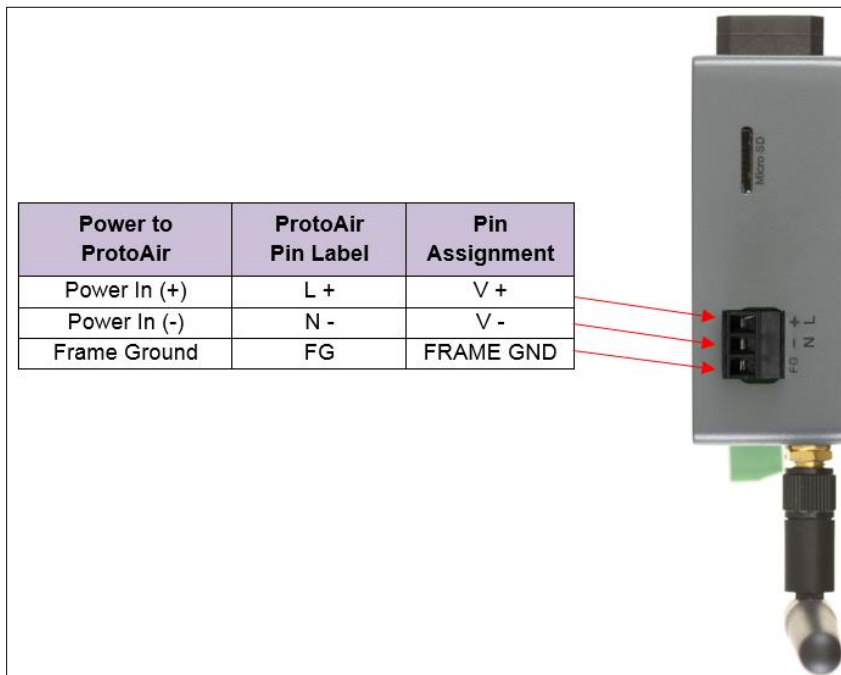
NOTE: The instructions in this document are simplified for ease of use. For detailed instructions, check the ProtoAir Start-up Guide supplied with the ProtoAir.

2 INSTALL THE GATEWAY

1. If a serial protocol is used by the customer device(s), wire the ProtoAir R1 Port to the customer device(s).

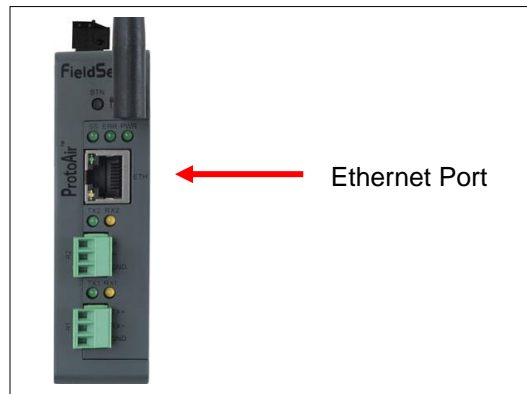


2. Screw the Wi-Fi antenna onto the ProtoAir.
3. Apply power.



3 CONNECT TO THE PROTOAIR

1. Connect a Cat-5 Ethernet cable (straight through or cross-over) between the local PC and ProtoAir.



2. Check that the IP Addresses of the ProtoAir and PC are on the same subnet. If not, change the IP Address of the PC to be on the same subnet.
3. Open a browser and enter the IP Address of the ProtoAir on the local PC.

4 CONFIGURE THE PROTOAIR

1. Go to the Web Configurator page.

For an SMC Cloud Premium ProtoAir:

- a. On the Login page, enter the Username and Password.
- b. Click the Settings tab and then click the Configure tab that appears.
- c. Click the Profile Configuration button to open the Web Configurator page.

For the standard ProtoAir, the Web Configurator page is the landing page.

Parameter Name	Parameter Description	Value
protocol_select	Protocol Selector Set to 1 for BACnet IP/Modbus TCP Set to 2 for BACnet MSTP Set to 3 for Metasys N2	1 <input type="button" value="Submit"/>
network_nr	BACnet Network Number This sets the BACnet network number of the Gateway. (1 - 65535)	50 <input type="button" value="Submit"/>
node_offset	BACnet Node Offset This is used to set the BACnet device instance. The device instance will be sum of the Modbus device	50000 <input type="button" value="Submit"/>
bac_virt_nodes	Set to NO if the unit is only converting 1 device to BACnet. Set to YES if the unit is converting multiple devices. (No/Yes)	No <input type="button" value="Submit"/>

Active profiles

Nr	Node ID	Current profile	Parameters
<input type="button" value="Add"/>			

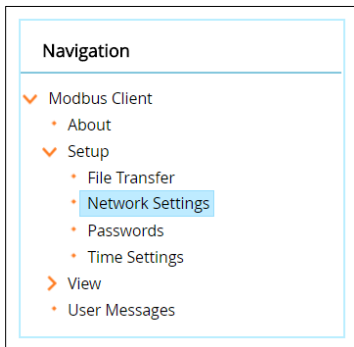
2. Enter the appropriate protocol configuration.

NOTE: Protocol specific parameters are only visible when the associated protocol is selected.

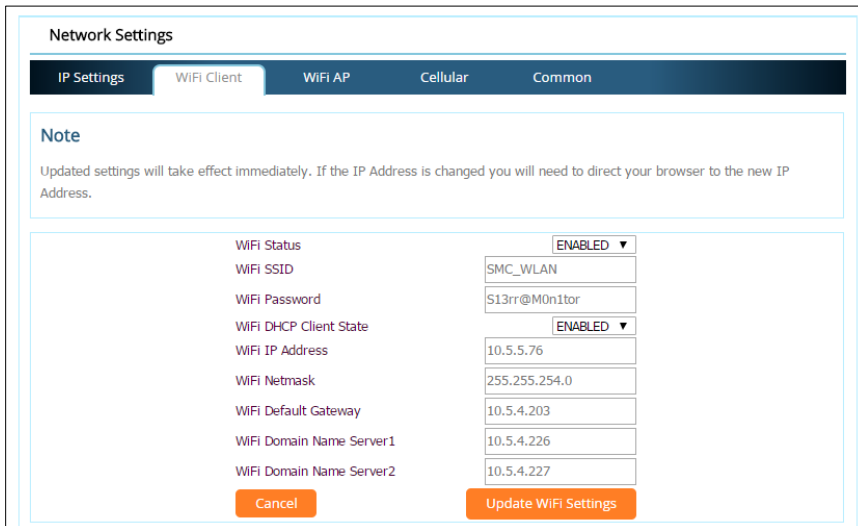
3. Ensure that all parameters are entered for successful operation of the gateway.
4. Scroll to the bottom of the page and click on the Add button under the "Active Profile" header.
5. Select the appropriate profile and enter the device's Node ID, then click Submit.
6. Add additional profiles if needed.

5 CONFIGURE THE PROTOAIR WI-FI SETTINGS

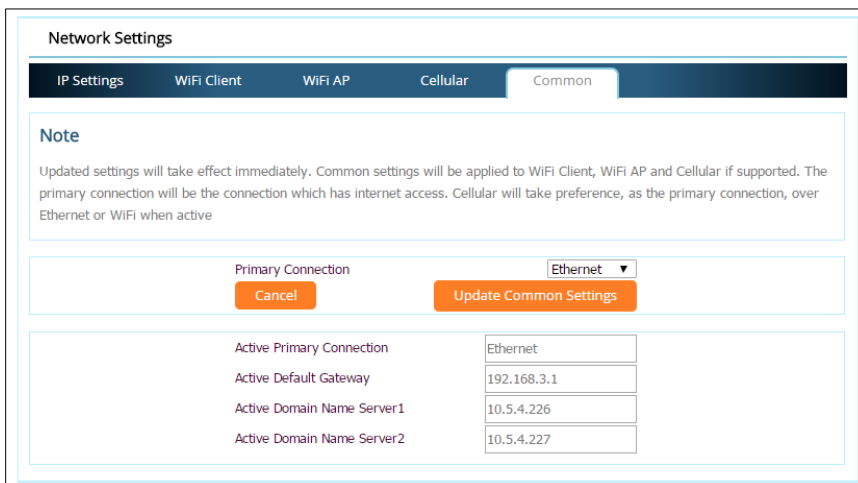
1. Click the “Diagnostic & Debugging” button to open the FS-GUI page.
2. Go to the Navigation Panel and click Setup, then click Network Settings.



3. Click on the Wi-Fi Client tab.
4. Set the Wi-Fi Status to ENABLED and the DHCP Client State to ENABLED.
5. Enter the Wi-Fi SSID and Wi-Fi Password for the local Wi-Fi network. Click the Update Settings button and then the System Restart button (once prompted).



6. Go to the Common tab and set the primary connection to Wi-Fi, then click Update Settings.



Technical Support

Thank you for purchasing the FieldServer from Sierra Monitor Corporation.

Please contact us for any technical support needs related to the FieldServer product.

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