



Overview

The ProtoAir™ wireless gateway provides OEMs with the ability to perform standard protocol translation between devices over a wireless network when wired networks are not available or difficult to access using connectivity options such as Wi-Fi, Bluetooth, and Cellular. This will enable access between devices or networks of devices to management systems or to the cloud over the air for remote device management, control, and diagnostics.

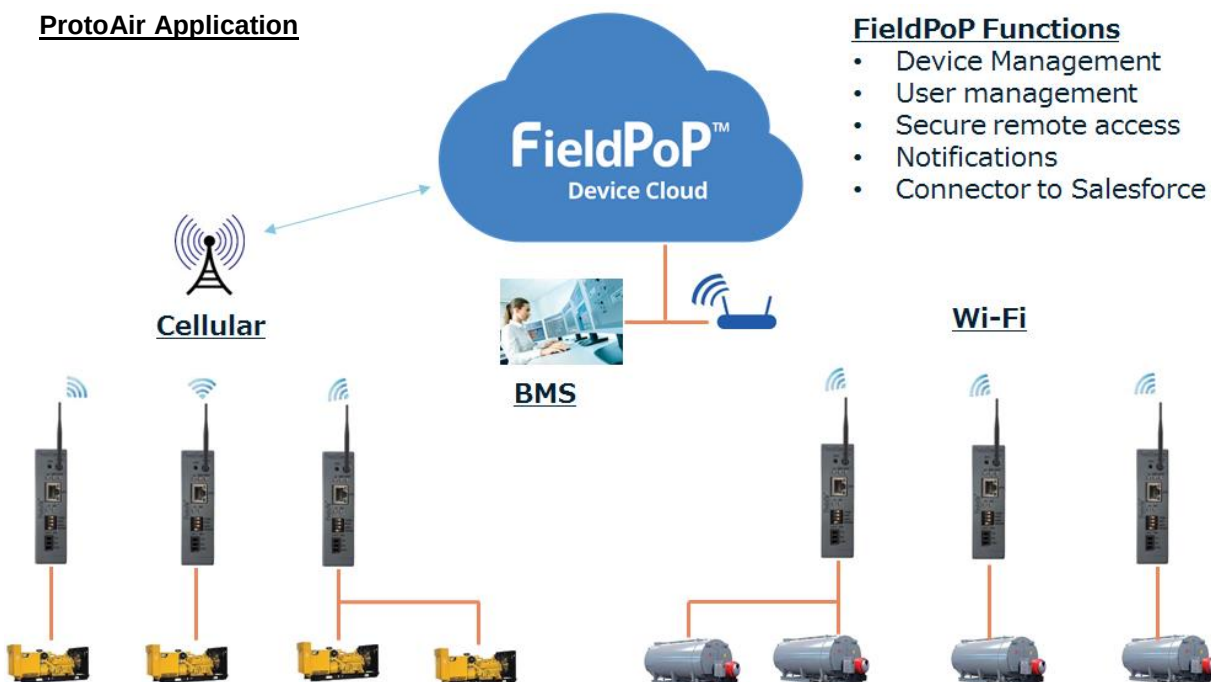
As the first wireless product in its well-regarded FieldServer protocol gateway and router family, the ProtoAir offers all the benefits of the FieldServer family, such as flexibility with the world's largest library of 140+ protocols as well as low installation and operating costs. The ProtoAir has the ability to connect to any one or more of the FieldServer standard drivers via the serial or Ethernet port, enabling many different devices and or networks wirelessly.

The ProtoAir wireless gateway has the ability to register with the FieldPoP™ device cloud. Through FieldPoP, users have the ability to connect enterprise and IoT cloud platforms to their ProtoAir-connected devices for remote device management and business applications.

ProtoAir Features and Benefits

- Integrated Wi-Fi, Bluetooth and Cellular capability
- Firewall friendly outbound connectivity
- RS-232 & RS-485 available for different hardware connections
- Quick and easy registration for a connection to FieldPoP device cloud
- Standard ports used: 80 & 443 for FieldPoP cloud connectivity
- Industrial design: 12 to 24V DC and DIN Rail
- **FieldPoP™** connects to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration

ProtoAir Application



FieldPoP Functions

- Device Management
- User management
- Secure remote access
- Notifications
- Connector to Salesforce

Hardware Specifications

Communication

Serial: RS-485/RS-232

Baud: 9600, 19200, 34800, 57600, 76800, 115000

Ethernet

10/100BaseT

MDIX

DHCP

Environmental

Operating Temperature: -4°F to 158°F (-20°C to 70°C)

Relative Humidity: 10-95% RH non-condensing

Construction

Dimensions

4 (H) x 2.7 (D) x 1.1 (W) in.

Weight

0.4 lbs.

Power Requirement

12 – 24V DC

240 mA @ 12 V

Radio Specifications

Cellular

Features

3G & GPS

Antenna type

SMA

Download

1.8 Mbps

Upload

1.8 Mbps

Wi-Fi

802.11b/g/n

Frequency

2.4 GHz

Channels

1 to 11 (inclusive)

Antenna Type

SMA

Encryption

TKIP, WPA & AES

Bluetooth

Bluetooth 3.0 + HS

Standard pairing

Bluetooth class 1 & 2

Antenna Type

SMA

Approvals

FCC Class B & C Part 15

CE

IC Canada

TUV to UL 60950 pending



Ordering Information

- FPA-W34 (Wi-Fi)
- FPA-C34 (Cellular)

Included – Antenna