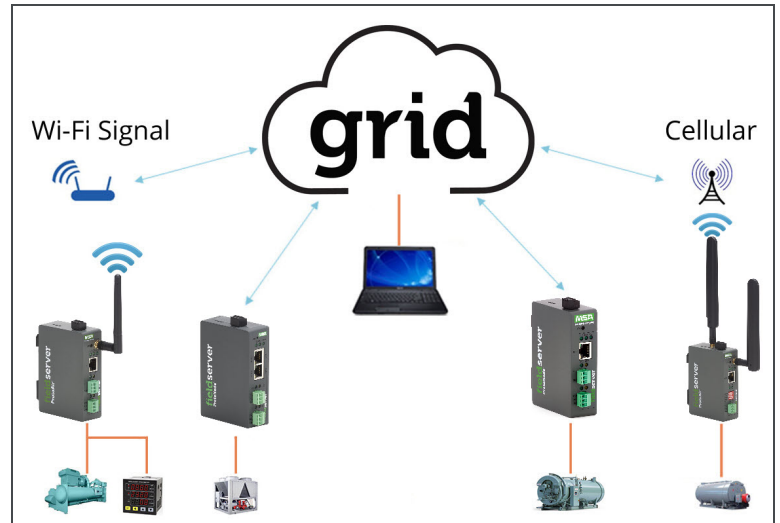# Family of IoT Gateways

Overview

MSA Safety's secure IoT Gateways are fully integrated with the MSA Grid cloud platform. The gateways enable OEMs to easily connect new and legacy devices to the cloud. These gateways can connect Serial, Ethernet, LonWorks, KNX, M-Bus and I/O devices to the cloud via wired (Serial and Ethernet) and wireless (Wi-Fi and Cell Modem) installations. When OEMs have any common protocol, the gateway can be used to connect to the MSA Grid without additional engineering investment. MSA Safety IoT Gateways support 140+ common protocols. Typical protocols include: Modbus, BACnet, EtherNet/IP, SNMP, LonWorks, KNX and many others. The OEM devices can instantly be cloud enabled to support secure remote device monitoring, control, data collection and alarming.

Benefits of the IoT Gateway Platform

- Simple web interface to easily configure OEM devices using a browser on a PC or mobile device.

- **MSA Grid - FieldServer Manager** registration connects OEM devices to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration.

- Multiple OEM devices (in a single location) can be connected through one gateway.

- After installation, the gateway can be registered to the cloud in less than five minutes.

- Secure communication from the gateway to the MSA Grid cloud platform is encrypted using the industry standard Transport Layer Security (TLS) v1.2. All web traffic sent to the cloud platform uses HTTPS on port 443 to ensure that data transmission remains encrypted.

- Secure data transfer to 3rd party business applications and analytics cloud packages through the MSA Grid RESTful API.

- Direct connection API's are available for third party data clouds including ThingWorx.

- Gateways provide protocol translation to popular building management protocols.

- No annual subscription to connect MSA Safety's IoT Gateways to the MSA Grid cloud platform for 5 years.

MSA Safety's IoT Gateway Connectivity Options

Product	Serial Port	Ethernet	Wi-Fi	Cell Modem	O-10V	I/O
ProtoAir FPA-W44	Yes	Yes	Yes	No	No	No
ProtoAir FPA-C4X	Yes	Yes	Yes	Yes	No	No
ProtoNode FPC-N54	Yes	Yes	No	No	No	No
ProtoNode FPC-N64	Yes	Yes (2)	No	No	No	No

Contact MSA sales for an easy proof of concept evaluation: SMC-insidesales@msasafety.com.