

OCTAVEX™ Wireless Sensor Framework

OVERVIEW

The OCTAVEX™ Framework is a software platform designed to assist end users, systems integrators, software developers and OEMS in the deployment and management of wireless sensor networks. The OCTAVEX™ Framework integrates diverse types of wireless sensor inputs and existing information systems allowing the user to implement an end to end solution quickly, easily and at a much lower cost than developing one in-house.

The OCTAVEX™ Framework provides a backbone for wireless sensor network applications while taking a hardware and standards agnostic approach. The main components that make up the OCTAVEX™ Wireless Sensor Framework are:

OCTAVEX™ Gateway:

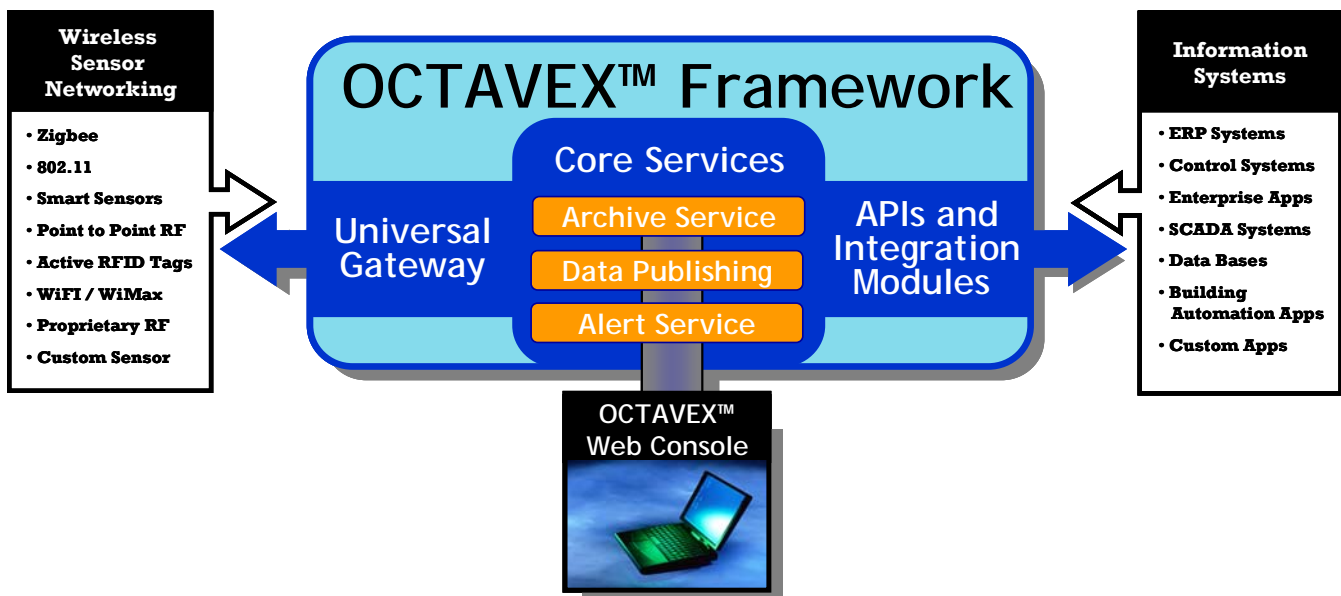
The gateway allows for a “plug and play” capability for *any* wireless sensor device to deliver data into the rest of the OCTAVEX™ Framework.

Core Services:

A collection of services, such as archiving, trending, and alerting, that provides users with a solid base of functionality out of the box.

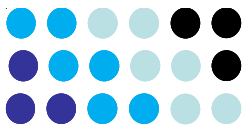
APIs & Integration Modules:

APIs and reusable software components that allow for the rapid deployment of end to end solutions by connecting to back end systems or custom applications.



OCTAVEX™ Licensing Programs

The OCTAVEX™ Framework licensing options include development licensing packages, run-time licenses for deployments, and OEM licensing programs. An evaluation license of the OCTAVEX™ Framework is available to qualified participants.



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Features and Benefits

The OCTAVEX™ Wireless Sensor Framework is an enterprise-scale software product that was developed with simplicity in mind. The OCTAVEX™ Framework handles the complicated work of data collection, aggregation, archival, and publishing from various wireless sensor inputs and provides *usable* information to the enterprise.

Features and benefits of the OCTAVEX™ Framework include:

- **Device Independence**

The “Plug & Play” capability of the OCTAVEX™ Gateway allows development of wireless sensor solutions without the inherent risk in emerging standards and protocols.

- **Flexible**

The framework’s open data format, APIs and reusable software components provide ease of systems integration.

- **Scalable**

A platform designed for rapid and scalable deployments from a single lap-top to a fully distributed enterprise solution.

- **Manageable**

The framework includes core business logic including alerts, graphs, data archiving and reporting features accessible through the integration points or the OCTAVEX™ Web Console.

- **Usable Out of the Box**

A web-based GUI (graphical user interface) provides the capability for immediate use as a stand alone application.

The OCTAVEX™ Web Console

The OCTAVEX™ Web Console provides a user-friendly graphical interface for the display of wireless sensor data. Using the console, users can view information in real-time, view historical data for trend analysis, or set alerts for future events that are triggered by predetermined thresholds. Alerts can be delivered via email or text message. Data views can be organized by asset, type of sensor, or complete sensor network.

The OCTAVEX™ Web Console can be customized to meet the needs of user. With simple changes to the color scheme and by adding a company logo, an OEM can offer a completely branded wireless sensor networking solution.

