Industrial Asset Remote Monitoring Solution
Simplify Industrial IoT

By pairing Sierra Wireless Octave™ with Microsoft Azure IoT Central, companies can accelerate their time to market while reducing project complexity and risk.

Octave + Microsoft Azure IoT Central provide a complete edge-to-cloud solution to deploy intelligent and reliable industrial IoT device connectivity, allowing manufacturers to securely manage, extract, orchestrate, and act on all their asset data. Simplify your Industrial IoT project by using Octave’s scalability and flexibility in conjunction with the industry-leading security and customizable dashboards of Microsoft Azure. Together, they reduce the complexity of customizing, deploying and scaling industrial IoT solutions, bringing fully-connected solutions to market faster and more cost effectively.

Example Use Cases

Asset monitoring and infrastructure monitoring use cases.
INDUSTRIAL ASSET REMOTE MONITORING SOLUTION

Benefits of Richardson RFPD Solution

- Simplifies the IoT journey from the edge to the cloud by seamlessly sending sensor data into Microsoft Azure IoT Central. Build scalable and enterprise-grade IoT cloud applications on Azure IoT Central using best-in-class development tools.
- Change rules and logic at the edge using JavaScript and other programming languages your developers are most comfortable with.
- Certified solution connected to LPWA cellular networks globally.
- Enables companies to focus on their data – instead of worrying about building IIoT infrastructure; includes devices, antennas, connectivity, network and device management, data orchestration and cloud services.
- Accelerates time-to-market, going from a proof-of-concept to a commercially available Industrial IoT solution.

How is Octave priced?

With Octave, Sierra Wireless brings economic simplicity and predictability to IoT implementations with the industry’s first message-based pricing model. One fixed service fee for the platform covers full access to the LPWA network, development tools, cloud APIs and connectors, and all overhead traffic, including over-the-air software updates. Beyond that, our pooled message-based pricing ensures that you only pay for the data you need, when you need it. We take the guesswork out of developing your IoT application and provide the tools to calculate exactly how much your application will cost, so you can develop and validate your business model with confidence.

<table>
<thead>
<tr>
<th>USE CASE</th>
<th>BUDGETARY PRICING*</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic waste collection and monitoring</td>
<td>1 Device Price</td>
<td>Platform Fee: $1/device/month</td>
</tr>
<tr>
<td>Sensor inputs, user data, battery level</td>
<td>2 Platform Fee: $1/device/month</td>
<td>Monitoring messages</td>
</tr>
<tr>
<td>Low power, low data rates</td>
<td>LPWA network access</td>
<td>24 msgs/day x 30 days = 720 msgs/month</td>
</tr>
<tr>
<td>Connected Waste Collector</td>
<td>Network and device management</td>
<td>Alert messages</td>
</tr>
<tr>
<td>Message</td>
<td>Data orchestration</td>
<td>Total messages</td>
</tr>
<tr>
<td></td>
<td>OTA firmware updates</td>
<td>Total service cost</td>
</tr>
<tr>
<td></td>
<td>3 Messages: $1 for 1,000 Mgs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 Message is a max. 20 data points</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pooled across all devices, billed monthly</td>
<td></td>
</tr>
</tbody>
</table>

*Pricing example: For your region’s Octave pricing go to https://www.sierrawireless.com/octave/pricing/

Note: There are additional fees for Microsoft Azure IoT Central
Includes 3 FREE months of Octave Developer mode

How to Get Started:

**STEP 1**
Purchase the part number FX305-AZR-0101 for USA, https://www.richardsonrfpd.com/Products/Product/FX305-AZR-0101
FX305-AZR-0101G for outside USA, https://www.richardsonrfpd.com/Products/Product/FX305-AZR-0101G

**STEP 2**
Sign up for Octave at octave.sierrawireless.io

**STEP 3**
Sign up for Microsoft Azure at: richardsonrfpd.com/Get-Azure

Richardson RFPD application engineers and support team are available to help deploy your solution. Contact Richardson RFPD at 630-262-6800 or www.richardsonrfpd.com/sales

---

About Richardson RFPD
Richardson RFPD, an Arrow Electronics company, is a global leader in the IoT, wireless, RF and power markets. It offers a broad range of IoT wireless connectivity products, from low-cost embedded modules to full-function gateway solutions designed to address a range of applications, including industrial, public safety, oil and gas, utility, asset tracking, mobile data, transportation, medical, and smart city markets. Whether it’s designing components or engineering complete solutions, Richardson RFPD’s worldwide design centers and technical sales team provide comprehensive support for customers’ go-to-market strategy, from prototype to production, including complete solutions for reduced time-to-market.


Visit https://sierrawireless.com/octave/ to learn more about Octave.

About Sierra Wireless
Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is the leading IoT solutions provider that combines devices, network and software to unlock value in the connected economy. Companies globally are adopting IoT to improve operational efficiency, create better customer experiences, improve their business models and create new revenue streams. Whether it’s a solution to help a business securely connect edge devices to the cloud, or a software/API solution to help manage processes associated with billions of connected assets, or a platform to extract real-time data to make the best business decisions, Sierra Wireless will work with you to create the right industry-specific solution for your next IoT endeavor. Sierra Wireless has more than 1,300 employees globally and operates R&D centers in North America, Europe and Asia.

Connect with Sierra Wireless on the IoT Blog at www.sierrawireless.com/iot-blog, on Twitter at @SierraWireless, on LinkedIn at www.linkedin.com/company/sierra-wireless and on YouTube at www.youtube.com/SierraWireless

Sierra Wireless, the Sierra Wireless logo, AirPrime, AirLink, AirVantage and the red wave design are trademarks of Sierra Wireless. Other registered trademarks that appear on this brochure are the property of the respective owners. © 2020 Sierra Wireless, Inc. 2020.06.9