EVERYTHING TO ENABLE ENTERPRISE IoT SOLUTIONS

Smart enterprises are increasingly looking to the IoT to improve operational efficiency, but creating and deploying an effective IoT strategy is complex. ORBCOMM's IoT toolkit powers solutions that improve asset utilization, reduce process costs, and help manage risk for better efficiency and return on investment. Deployed together or individually integrated into existing solutions, ORBCOMM's tools deliver enterprise IoT quickly and cost effectively.
Enabling enterprise IoT solutions

The tools that ORBCOMM uses to deliver IoT solutions for end-users are now available together or separately to enterprises, OEMs, solution providers and VARs, providing the ability to create market-specific IoT solutions with the assurance that all the building blocks are interoperable, and that all come with a single point of contact for support.

Building the IoT

Assembling an IoT solution appears straightforward; you need a device that can provide a level of situational awareness and perhaps respond to commands, a means to communicate with that device, and an application that can pull the data from the device and transform it into intelligent, actionable information that will drive valuable ROI to your business or your customer’s business.

But it’s not as simple as it sounds. How will the data integrate with existing business tools? What if hardware components get discontinued? What about the development cycles required to add features? What about support when something goes wrong?

As a global leader with the broadest set of enterprise IoT capabilities on the market today, ORBCOMM is uniquely positioned to provide all of the tools for quickly developing flexible, scalable IoT solutions that deliver total asset visibility, remote control and analytic insight.

ORBCOMM’s IoT tools and services are designed to simplify the entire process of creating, testing, integrating, deploying and supporting efficient and effective solutions.

Tools for Every Layer of the IoT Stack

From a terminal, modem or sensor attached to an asset, piece of equipment or load of cargo, to the app that delivers insight on a mobile phone, and everything in between, ORBCOMM has enabling tools and expertise.
“(ORBCOMM’s) advanced software and RFID technology allow us to introduce a more accurate and cost-effective audit system to our customers.”

Erik Johanson, Director of Process Engineering, Iron Mountain

Subscriber Management
What if your connectivity needs change? If you expand into a new or remote region, do you have the tools to quickly adopt a new strategy? What if your carrier sunsets coverage for part of your deployment? Do you replace the connectivity for those devices, or change providers for them? How will you manage this mixed deployment?

What if you want to provide usage visibility or overage management control to your customer? Will you have to generate reports and configure subscriptions yourself?

ORBCOMMconnect is a powerful subscriber management platform that bypasses the significant development time required to integrate multiple connectivity providers.

ORBCOMMconnect enables wireless capability through a single API or unified web portal that simplifies device provisioning, subscriber management, prevention of data overages and much more.

Multi-network management: Easily provision and manage subscribers across multiple networks, including seven terrestrial networks with support for 2G, 3G and 4G LTE communications and three satellite networks. Seamlessly blend rate plans between providers.

Multi-level account structure: Up to four levels of account structure for permission-based information access control.

Automated alerts and overage control: Go beyond simple notifications with alerts that trigger actions to control usage overages, subscriber status changes and more.

Comprehensive report generation: Pre-defined and custom reports for better planning to help control costs. Filter reports by carrier, organization, account, price plan and more.

Stability and security: A fully redundant network and secured data center ensure service continuity and seamless data recovery.

Device Management
What happens when a device requires a critical firmware upgrade? What if you have thousands deployed? What if you need to scale up dramatically? What if you need to deploy new, legacy-incompatible devices? DeviceCloud allows you to reduce development time, manage device lifecycle, simplify deployment strategy and manage data flow, interpretation and storage.

DeviceCloud provides device configuration and provisioning, firmware upgrades and key data functionality such as transforming raw data into actionable information and generating alerts. It provides applications access to multiple networks and devices in a single device-agnostic API. This allows you to replace, upgrade or add devices, whether ORBCOMM or third party, without updating your application.

DeviceCloud also supports add-on modules and components. All data is retained within secured data centers, offering the highest integrity and scalability.

Accessing Your Data: DeviceCloud offers a number of different ways to access your device’s data:

- Push/pull raw, native data or parsed, interpreted data
- Create device-based alerts that are to be delivered immediately to a list of contacts or applications (a door has been opened, a trip has started, etc.)
- Request smart, aggregated information to reduce network and processing overhead
Application enablement
iApp reduces the time, cost and complexity of deploying the application layer of your enterprise IoT solution. ORBCOMM’s cloud-based application enablement platform (AEP) enables the rapid development and management of high-performance RFID and sensor-based IoT applications and solutions for end-to-end supply chain visibility.

iApp includes application building blocks and solution templates for asset-intensive industries. With iApp, enterprises can leverage ORBCOMM’s scale, infrastructure and experience for faster and more cost-effective solution development.

- Full mobile application development and support for iOS, Android, Windows Mobile and HTML5
- Enterprise plugins (ERP, MRP, SCM, etc)
- Specialized IoT solution templates
- Multi-tenancy for multiple stakeholders
- Enables long-term, evolutionary application development
- Mobile app support
- Cloud or on-premise based solutions
- Application development service or support

Support: Unparalleled Expertise
With more than 300 hardware, software and application engineers, a global 24/7 support team, a field application engineering team and professional services, ORBCOMM has the expertise and capabilities to help build and support IoT solutions efficiently and effectively in multiple verticals.

ORBCOMM will deliver the level of support you require, from conception to installation and beyond, across your entire enterprise IoT solution.

“We know our tools are among the best available, because we’ve been using them for years to build award-winning, real-world IoT solutions for our customers.”

Craig Malone, EVP Product Development, ORBCOMM

Let ORBCOMM connect your world
ORBCOMM (Nasdaq: ORBC): With nearly 20 years of industry expertise and leadership in M2M, ORBCOMM has pioneered innovation in satellite networks and connected device technologies to become a leading global provider of Internet of Things (IoT) solutions, enabling enterprises to remotely track, monitor and control assets virtually anywhere in the world. Now, with the industry’s most comprehensive suite of offerings—multi-network cellular and satellite connectivity, leading edge devices, powerful applications and scalable IoT solution development tools—ORBCOMM is powerfully improving operational efficiency and profitability for its customers in transportation and distribution, heavy equipment, industrial fixed assets, oil and gas, maritime, supply chain, government and more. With ever expanding IoT capabilities, ORBCOMM is uniquely positioned to provide individual application components to full turnkey solutions.

Contact us today at sales@orbcomm.com or 1-800-ORBCOMM to see how our IoT toolkit can enhance the way you do business, or visit us at www.orbcomm.com for more information.