Digi Wireless Gateways, XBee ZigBee Modules and iDigi Device Cloud to Connect Remote Shipping Containers

Digi International announced that Inteligistics will use the iDigi Device Cloud, ConnectPort X wireless gateways and XBee ZigBee modules to wirelessly enable its intelligent, asset tracking system. The patented system will be used by the U.S. Navy to track the contents of tens of thousands of shipping containers across the world as well as by the global logistics industry. The system provides security and real-time access to location, inventory, environmental data and other critical information.

“We needed state-of-the art wireless technology to enable our solution, and Digi is the industry leader,” said Rao Mandava, Chairman and CEO, Inteligistics. “We were going to develop our own cloud service, but the iDigi Device Cloud is ideal for us and greatly simplifies system integration, deployment and management. The ConnectPort X gateways and XBee modules are easy to deploy allowing us to create an off-the-shelf solution. Digi’s global capabilities also help us support organizations that ship worldwide.”

Inteligistics patented Dynamic Smart Box inventory tracking system includes a controller with a ConnectPort X cellular gateway and RFID reader modules with XBee ZigBee modules. The RFID readers gather container content information from RFID tagged items in a container and communicate the data back to the ConnectPort X gateway via the XBee ZigBee modules. The gateway then sends the information to the iDigi Device cloud over cellular networks where Inteligistics’ customers can easily monitor container location, content and activity and can react to any abnormal incidents.

Environmental sensors are also connected via XBee ZigBee modules to the gateway to provide additional container information such as door open status, temperature, weight and other information. The system also provides real-time alerts related to security breaches, routing deviations or abnormal environmental conditions.

“The iDigi Device Cloud and wireless technology enable advanced system functionality and total asset visibility in real-time,” Mandava added. “Our system can provide high levels of return on investment through improved asset visibility, operational enhancements and efficiency.”

For more information about Digi, visit www.digi.com [1]. For more information about Inteligistics, visit www.inteligistics.com [2].

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[1] http://www.digi.com/
[2] http://www.inteligistics.com/