Intel® LTE IoT Quick Deployment (Intel® LIQD) Program

New IoT Program with AT&T Enables Faster Go-to-Market for LTE-Based Intelligent Sensors

Feb. 21, 2017 — Intel today announced the Intel® LTE IoT Quick Deployment (Intel® LIQD) program, an Intel program for Internet of Things (IoT) device manufacturers to enable faster and more cost-efficient deployment of cellular-based intelligent sensors. Intel LIQD enables device OEMs like Sonim Technologies* to develop a new category of pre-certified, deployment-ready LTE solutions for commercial and industrial IoT use cases. AT&T* is the first carrier in the Intel LIQD program – providing trusted data services and IOT platform services such as M2X* that can be pre-integrated into devices to accelerate solution development, saving enterprise customers time and money.

Support for Rapid Deployment of LTE-Enabled IoT Devices

With the complexities of today's IoT networks and standards, building a cellular-based wireless device from scratch can often require considerable time and investment –typically the development, testing and evaluation costs for network certification could require upwards of 1 million dollars and take as long as a year to design, develop and deploy a solution. With Intel LIQD, IoT business owners will be able to deploy IOT devices for a fraction of the cost. With very little effort, developers, start-ups and businesses of all sizes can leverage Intel LIQD devices as a means to bring new products or services to market. The program enables carriers and device manufacturers to better coordinate device and service offerings to offer easy cloud-ready solutions which may increasingly be required to accommodate the future of 5G.

Sonim XPi bringing the Intel LIQD Program to Market

Sonim Technologies, Inc., a leading provider of ultra-rugged communications equipment used in extreme environments, is the first OEM to launch a product as a part of the Intel LIQD Program. Sonim's XPi[1] device represents a new category of ready-to-deploy LTE-based base devices that are pre-certified and pre-integrated into carrier platform services, enabling remote sensor management and rapid deployment in the field. The device offers users the ability to monitor high-value assets more easily and cost effectively due to a scalable LTE IoT sensor platform and the capability to access AT&T's platform solutions (M2X).

The onboard sensors are designed to detect changes in temperature, humidity, ambient light, acceleration and movement. Sonim's ultra-rugged IP65-rated design ensures the device can survive even the most demanding industrial environments in transportation, logistics, agriculture and construction applications. To extend the functionality of the device, a sensor interface has been implemented to provide modular extensibility via accessories that can be securely mounted to the unit.

Key benefits include:

- **Accelerated IoT device deployment**: Through the Intel LIQD Program, the Sonim XPi device comes pre-certified and pre-configured into carrier platform services, reducing the time and cost associated with bringing a new sensor device to market.

- **Configurable, more secure sensor platform:** The device comes equipped with five sensors on board that can be configured to meet targeted use cases and scaled according to developer needs. The sensor interface on the base device provides modular functionality that allows users to add sensors or peripherals for an increased scope of tracking.

- **Purpose-built sensor hardware designed to handle extremely rugged conditions:** The device is based on the Intel® Quark SE microcontroller C1000, a Sierra Wireless HL Series module and firmware to manage sensors and device lifecycle functions. The XPi has a rugged IP65 class enclosure that protects the device from potentially harsh conditions across a wide range of applications.

Supporting the IoT Ecosystem

The Intel LIQD program provides a means by which ecosystem partners can coordinate and optimize solutions together in ways that can scale incredibly fast and be utilized in the following target vertical industries where asset and condition monitoring is critical: logistics, smart cities, manufacturing and agriculture, and is built for any business that needs to scale and be connected. As devices become more intelligent, the Intel LIQD will provide the overall program on which to base new products to come to market and open a new category of IoT solutions that are built ready to deploy.

Ecosystem Lineup, Pricing and Availability

Sonim XPi, the first Intel LIQD-based product, is expected to be available by mid-2017 at under $149.

For more information on the Intel LIQD program, visit www.intel.com/LIQD.