Kerlink to Demo Remote Device-Management Service For IoT Endpoints at LoRa Alliance™ Meeting in Philadelphia

Service Enables Secure, Simultaneous Control of Internet of Things Devices To Update, Optimize and Configure Functions from a Central Interface

PRESS RELEASE

PHILADELPHIA – June 13, 2017, 06:00 PM CET – **Kerlink** (ALKLK - FR0013156007), a specialist and global leader in network solutions dedicated to the Internet of Things (IoT), will demonstrate its new device-management service for simultaneously configuring and updating devices connected to the Internet of Things at the 8th LoRa Alliance All Members Meeting, June 13-14, in Philadelphia.

Device management (DM) of IoT-connected endpoints is a challenging and vital feature for companies that increasingly depend on the IoT to streamline their operations or generate new revenue streams for their business. With billions of sensors, accelerometers, actuators and other devices expected to be connected to the IoT in the future, remotely updating software and firmware, adding new functionality, installing applications, and configuring, monitoring or provisioning devices is key to maintaining their efficient, responsive performance.

Although Low Power Wide Area (LPWA) networks offer lower data rates than traditional cellular technologies, or have to follow specific duty-cycle limitations inherent in the unlicensed spectrum (ISM band), device management is a vital part of the services that will shortly be proposed for public or private operators to update their fleets of IoT devices that are connected to those networks.

"Secure, simultaneous, remote device management is a crucial function for our customers who want to continuously optimize, monetize and secure their connected devices," said Yannick Delibie, Kerlink co-founder, CTIO, and CEO of its U.S. subsidiary, Kerlink Inc. "This capability is the final major step in Kerlink's complete network solution, which means our customers can count on us to take them from the drawing board to quickly monitoring, managing and scaling their connected devices, and permanently keep them operating at optimal performance from a central management interface."

In line with its strategy to continuously strengthen its equipment-and-services offer by, for example, incorporating robust, open protocols for its customers, Kerlink plans to use IoTerop's Lightweight M2M stack, known as IOWA, for customers' actual device updates. It is an Open Mobile Alliance (OMA) widespread protocol for device-and-service management, and is specifically designed for constrained devices, over a wide number of transports and bearers.

Kerlink's device-update service relies on the LoRaWAN™ specified multi-cast capability, which makes it possible to send large payloads to multiple devices in a LoRaWAN-connected node at the same time, and allows the devices to receive this update simultaneously and reliably, with no network congestion.

Kerlink to Demo Remote Device-Management Service For IoT Endpoints at LoRa Alliance™ Meeting in Philadelphia

Service Enables Secure, Simultaneous Control of Internet of Things Devices To Update, Optimize and Configure Functions from a Central Interface

The simulated device update at the LoRa Alliance™ meeting will combine Kerlink's standalone Wanesy Small Private Network (SPN) server installed in the company's latest-generation Wirnet iFemtoCell 915 MHz indoor base station, and connected Wirgrid Reference Designs for energy meters. It will illustrate with a concrete example the ability to master and execute the most challenging and key firmware-update operations:

- Reading the device's existing configuration and checking its current firmware version
- Scheduling the firmware download to ensure that the endpoint will temporary be in a listening and data-reception mode (class C - downlink) on a specific shared schedule (RX Windows)
- Executing the file broadcast and download, once devices wake up as planned
- Verifying the complete download, and confirming that the device can switch to the new firmware without regression or incompatibility risk.

With the coming addition of this device-management capability to its existing portfolio, Kerlink highlights its positioning as a one-stop-shop provider for complete IoT network solutions. Besides this capability, its high-quality proven services and equipment include IoT endpoint reference design, Wirnet network gateways, core network servers and operations tools like Wanesy RAN (Radio Access Network) Management Center and Wanesy SPN (Small Private Network). The company also provides a geolocation solver with Wanesy LBS and open application-programming interfaces (APIs) enabling the easy integration of Kerlink features in IoT application platforms.

About Kerlink

Kerlink, a founding member of the LoRa Alliance™, specialises in network solutions for the Internet of Things (IoT). Its mission is to provide its clients – telecom operators, businesses and public authorities – with equipment, software and services to design, launch and operate IoT networks. Over the past three years, Kerlink has invested more than €8 million in R&D. In just over 10 years, more than 70,000 Kerlink installations have already been rolled out for more than 260 clients, including major telecom operators such as Proximus and Tata Communications, and utilities such as GrDF and Suez. In 2016, Kerlink generated revenues of €14.1 million, 25 percent internationally. Since 2013, it has posted average annual growth of more than 50 percent. Kerlink has been listed on Alternext Paris since May 2016.

For more information, visit **www.kerlink**.com or follow us on Twitter @kerlink_news

About LoRaWAN™

The technology utilized in a LoRaWAN™ network is designed to connect low-cost, battery-operated sensors over long distances in harsh environments that were previously too challenging or cost prohibitive to connect. With its unique penetration capability, a LoRaWAN™ gateway deployed on a building or tower can connect to sensors more than 10 miles away or to water meters deployed underground or in basements. The LoRaWAN™ protocol offers unique and unequalled benefits in terms of bi-directionality, security, mobility and accurate localization that are not addressed by other LPWAN technologies. These benefits will enable the diverse use cases and business models that will enable deployments of large-scale LPWAN IoT networks globally.

Kerlink to Demo Remote Device-Management Service For IoT Endpoints at LoRa Alliance™ Meeting in Philadelphia

Service Enables Secure, Simultaneous Control of Internet of Things Devices To Update, Optimize and Configure Functions from a Central Interface

About the LoRa Alliance™

The LoRa Alliance™ is an open, non-profit association that has grown to more than 400 members since its inception in March 2015, becoming one of the largest and fastest growing alliances in the technology sector. Its members are closely collaborating and sharing their experience to promote the LoRaWAN™ protocol as the leading open global standard for secure, carrier-grade IoT LPWA connectivity.

With the technical flexibility to address multiple IoT applications, both static and mobile, and a certification program to guarantee interoperability, the LoRaWAN™ is already being deployed globally by major mobile network operators and is anticipated to widely expand in 2017.

Next event

2017 first-semester revenue: 25 July after market

www.kerlink.com

ALKLK
LISTED
ALTERNEXT

Investors' Contact for Kerlink:
Actifin
Benjamin Lehari
+33 (0)1 56 88 11 25
blehari@actifin.fr

Press & Analyst Contact for Kerlink:
Mahoney Lyle
Amélie Ravier
+33 (0)6 64 52 81 10
aravier@mahoneylyle.com