Digi Makes Developing Wireless, Cloud-Connected Medical Devices Easy

Digi International released the iDigi Telehealth Application Kit - a development kit that allows customers to create cloud-connected medical devices. The kit includes the Freescale Semiconductor Home Health Hub (HHH) reference circuit board which enables wired and wireless connectivity to medical devices like blood pressure monitors, blood glucometers, pulse oximeters and scales. It also features the iDigi® Device Cloud™ [1], allowing medical devices to easily and securely integrate patient data into new, existing and custom healthcare applications.

"Cloud-connected medical devices help patients get out of the hospital faster by allowing doctors to monitor patient status remotely," said Larry Kraft, senior vice president of global sales and marketing, Digi International. "This kit makes it easy to create cloud-connected medical devices to improve quality of care. Through the iDigi Device Cloud, doctor's can easily access and analyze patient data, set up alarms and alerts and store information."

"Telehealth is a growing technology that allows patients to be monitored remotely," said Steven Dean, global healthcare segment manager at Freescale. "According to a Continua Health Alliance study, remote monitoring for individuals with chronic conditions can reduce office visits by 65 percent, shorten the length of hospital stays by up to six days on average, and most importantly, reduce mortality anywhere from 35 to 56 percent. We are excited to work with Digi to help enable this growing trend."

In addition to allowing management of remote patient data, the iDigi Device Cloud enables centralized control of medical device configurations, settings, firmware updates and device groups. With iDigi Manager Pro™, iDigi's device network management software, healthcare institutions can rollout large installations of cloud-connected medical devices in a simple, secure and cost-effective manner.

Based on the Freescale i.MX28 processor, the HHH reference platform includes the hardware and software components necessary for connecting healthcare devices and user interfaces. It includes pre-validated secure connectivity with USB, Bluetooth®, Bluetooth Low Energy and ZigBee medical-class grades, Wi-Fi, sub-1 GHz and Ethernet. Medical device manufacturers can use the kit to develop proof-of-concept prototypes of network connected medical devices.

Design experts from Spectrum Design Solutions, a subsidiary of Digi International, are also available to provide complete design and development services, including assistance with product development and certification based on the HHH reference design.

The iDigi Telehealth Application Kit will be available in January for $499. For more information about the iDigi Device Cloud, the leading platform for connecting any application to anything, anywhere, visit http://www.idigi.com [2]. For more information about the iDigi Telehealth Application Kit, visit www.digi.com/hhh [3].

About Digi International
Digi International is making wireless M2M easy by developing reliable products and solutions to connect and securely manage local or remote electronic devices over the network or via the Web. Digi offers the highest levels of performance, flexibility and quality, and markets its products through a global network of distributors and resellers, systems integrators and original equipment manufacturers (OEMs). For more information, visit Digi's Web site at www.digi.com [4], or call 877-912-3444.

Posted by Sean Fenske, Editor-in-Chief, MDT

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