September 11, 2013

Microchip Introduces the Machine-to-Machine (M2M) Development Platform for Code Division Multiple Access (CDMA) Networks

Eases the Development of Solutions with Cloud Connectivity;
Pre-Certified on the Verizon Wireless Network

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced a new Verizon Wireless Certified **Machine-to-Machine (M2M) Development Platform** for CDMA. The full-featured platform (developed by **Twisthink, LLC**, a Microchip Authorized Design Partner) enables custom embedded firmware application development on the **PIC32**, 32-bit microcontroller (MCU), with local-area and remote cellular connectivity. The platform is pre-certified on the Verizon Wireless network, with two-way communication capability. It enables designers to develop on a standard 32-bit platform to collect data, share locally over 10/100 Ethernet and ZigBee®, and communicate to a cloud application.

The M2M Development Platform for CDMA, which is FCC Part 15 certified, includes GPS for location-aware applications, a serial communication interface for simple wired connectivity, microSD Card support for code, event or image storage, and an on-board 3-axis accelerometer to monitor motion. Additionally, the platform includes temperature and light sensors, and two expansion ports for custom sensing or connectivity development.

The Verizon Advanced M2M client is included as a binary library in the platform's source code. Verizon's framework allows developers to push the system intelligence out to the edge of the network, enabling their designs to work autonomously and only consume data services when needed. The kit also makes use of Verizon's Application Enablement Services (AES), which allows developers to dynamically change the configuration, monitoring and thresholds of sensors without re-flashing the device's application.

M2M connectivity is enabling the "Internet of Things" (IoT), which brings remote control and monitoring to a broad spectrum of applications, improving efficiency and convenience for users. A fully featured hardware platform that includes the most common communication peripherals, along with application processing capability, is needed to reduce the cost of entry and complexity of development. Customer solutions that are able to communicate status, alarms and even location can be developed with this new platform, making it useful for applications in the consumer, industrial and telematic markets. Applications requiring remote monitoring, including alarm systems, home automation, remote pipeline equipment, vending machines and fleet management, can benefit from the platform.

"Microchip's new M2M Development Platform is an ideal solution for developers who want to add remote-management capability to their designs," said Sumit Mitra, vice president of

Microchip's MCU32 Division. "It brings processing and communications peripherals together at a significant cost breakthrough for developers, in a space where M2M platforms often cost thousands of dollars."

Developers can integrate their code with pre-validated communication blocks for a remotely monitored and controlled application. Additionally, developers can visit Microchip's development partner site at **twistm2m.com** to sign up for an M2M account for their purchased Platform. Once the Platform is registered, developers can monitor its various parameters on the twistm2m portal or can develop and link to a portal hosted by **Exosite**, a very flexible and intuitive online development environment. This combination of hardware and an enabling ecosystem eliminates the need for a developer to become a cloud or cellular technology expert, and provides a high level of capability with a low cost of entry.

Pricing & Availability

The **M2M Development Platform for CDMA** (part # DM320017, $379.99) is available for purchase today. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at **http://www.microchip.com/get/33X2**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

Resources

High-res Photo Available Through Flickr or Editorial Contact (feel free to publish):

- M2M Development Platform Photo: **http://www.microchip.com/get/AT36**

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Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, mixed-signal analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at **http://www.microchip.com/get/HG29**.

Tags / Keywords: **Machine-to-Machine**, **M2M**, **Telematics**, **CDMA**, **GPS**, **Vehicle Tracking**

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Source: Microchip Technology Inc.