Analog Devices Collaborates with ARM to Improve Security and Energy Efficiency for IoT Connected Devices

NORWOOD, Mass.--(BUSINESS WIRE)-- Analog Devices, Inc. (ADI) today announced it is collaborating with ARM to provide ultralow power microcontrollers (MCUs) that enable more secure and energy efficient Internet of Things (IoT) based devices. By combining ADI's innovative ultralow power mixed- signal technology with the new ARM® Cortex®-M33 processor featuring ARM TrustZone™ technology, ADI is addressing the growing need for data security in power-constrained IoT applications. As the world becomes increasingly connected, securing every node is critical to extending the growth of IoT adoption.

"We are excited about expanding our relationship with ARM and offering ultralow power MCUs that enable more complex algorithms and even greater levels of intelligence implemented locally at the node," said Mark Cox, director, IoT Platform Group, Analog Devices. "ADI's next generation of Cortex-M33-based IoT products combine our widely recognized leadership[1] in energy efficiency and reliability with a secure architecture that protects our customers and their end users. Designers of IoT devices no longer need to sacrifice functionality or robustness to achieve efficiency benchmarks because ADI's Cortex-M33 powered MCUs maintain a full suite of security and reliability capabilities vital to IoT applications ranging from remote health monitoring and wearables to industrial automation and smart cities."

"Mass IoT deployments rely on the availability of a diverse set of intelligent devices that are secure, highly energy efficient and easy to manage," said James McNiven, general manager, CPU and media processing groups, ARM. "ADI's expertise in mixed-signal and precision analog technology complements the new ARM Cortex-M33 processor and ARM CoreLink™ SIE-200 system IP. The range of new MCUs enabled by our combined technologies will offer even greater choice for IoT device designers."

The Cortex-M33 processor is based on the ARMv8-M architecture with proven TrustZone technology that helps secure trusted applications and data using hardware built into the processor. ADI's existing ultralow power MCU based on a Cortex-M processor consumes less than 38 uA/MHz in active mode and 750 nA in standby mode. The next generation using the Cortex-M33 will take this energy efficiency to the next level and provide even more on-chip system-level security features.

ADI's recent acquisition of the Cyber Security Solutions (CSS) business of Sypris Electronics LLC signals its commitment to IoT security and strengthens the company's ability to deliver highly robust solutions from node to cloud.

- Read the acquisition press release: http://www.analog.com/en/about-adi/news-room/press-releases/2016/8-18-2016-analog-devices-adds-cybersecurity-software.html

About Analog Devices
Analog Devices (NASDAQ: ADI) designs and manufactures semiconductor products and solutions. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. Visit http://www.analog.com.

[1] Analog Devices' microcontrollers are among the industry's highest rated MCUs by EEMBC, an industry alliance that develops Industry-Standard Benchmarks for Embedded Systems. http://www.eembc.org/ulpbench

Follow ADI on Twitter at http://www.twitter.com/ADI_News

Read and subscribe to *Analog Dialogue*, ADI's monthly technical journal, at: http://www.analog.com/library/analogDialogue/

All trademarks are the property of their respective owners

View source version on businesswire.com: http://www.businesswire.com/news/home/20161025005086/en/

Analog Devices, Inc.
Linda Kincaid, 781-937-1472
linda.kincaid@analog.com

or
Porter Novelli
Andrew MacLellan, 617-897-8270
andrew.maclellan@porternovelli.com

Source: Analog Devices, Inc.

News Provided by Acquire Media