



November 14, 2006 08:05 AM Eastern Time

Freescale and Software Technologies Group Spur OEM Development With ZigBee™ Certified Products

New Product Portfolio Enables Wireless Commercial and Industrial Applications Using the ZigBee™ Protocol

TEMPE, Ariz.--(BUSINESS WIRE)--Enabling the rapid adoption of ZigBee™ certified technology for industrial and commercial applications, Software Technologies Group in collaboration with Freescale Semiconductor, (NYSE:FSL) (NYSE:FSL.B) has received ZigBee certification for a host of products powered by Freescale's ZigBee solutions. With the recent ZigBee Certified Product status earned by Software Technologies Group's Sensor Network Infrastructure (SNI), Freescale offers a proven portfolio of ZigBee certified network products, original equipment manufacturers (OEMs) can design complete systems that support the ZigBee protocol.

"As the ZigBee protocol gains wide industry adoption, certification becomes critical for vendors and customers alike," said Brett Black, commercial wireless manager, Freescale. "The SNI products based on Freescale's ZigBee platform can help enable thousands of applications with the important infrastructure necessary to build wireless networks for data collection and monitoring. Applications such as asset monitoring, plant safety and data collection now can use ZigBee certified products to help ensure compatibility and ease of deployment."

Independent test service provider, National Technical Services, Inc. (NTS), conducted the certification testing to ensure that products meet the requirements for end-user ZigBee-enabled applications. The ZigBee certified testing program applies to end products such as the SNI products, which are among the first to receive this certification.

Freescale collaborated with Software Technologies Group on the development of the SNI, a portfolio of ZigBee-certified network products, including Freescale's MC13193 2.4 GHz RF transceiver and a low voltage, low power HCS08 MCU. The SNI product family includes a variety of network infrastructure products such as central gateways and routers. The SNI products have been tested with various real-world sensor applications including a 250 node deployment of a wireless fire extinguisher monitoring system based on Mija, Inc.'s en-Gauge system. This innovative system is being developed and tested as a pilot program in one of Freescale's facilities. The system will also become the test platform for Freescale's advanced BeeStack™ ZigBee protocol stack, which was introduced in May. The BeeStack software is based on the 2006 ZigBee specification and is designed and owned by Freescale.

SNI products will be available from STG in first quarter 2007. Additional SNI components will include a variety of ready-to-use ZigBee routers, 802.15.4 network bridges, ZigBee bridge devices and reference gateways all based on Freescale technology.

Freescale's ZigBee-compliant platform provides a robust, cost-effective and easy-to-deploy solution. ZigBee-enabled on-chip features and enhancements help to reduce external components and total bill of materials, while providing battery lifetimes of up to several years.

About ZigBee technology

The ZigBee protocol is a low-power wireless communication technology and international standard protocol for the next-generation wireless network, reducing data size and allowing for lower-cost network construction with simplified protocol and limited functionality. ZigBee uses the PHY and MAC layers defined by IEEE®802.15.4, which is the short-distance wireless communication standard for 2.4 GHz band. The ZigBee protocol comprises the ZigBee platform specifications and ZigBee profiles defined by the ZigBee Alliance. For more information on Freescale's ZigBee-compliant solutions, visit www.freescale.com/zigbee.

About Freescale Semiconductor

Freescale Semiconductor, Inc. (NYSE:FSL) (NYSE:FSL.B) is a global leader in the design and manufacture of embedded semiconductors for the automotive, consumer, industrial, networking and wireless markets. Freescale became a publicly traded company in July 2004. The company is based in Austin, Texas, and has design, research and development, manufacturing or sales operations in more than 30 countries. Freescale, a member of the S&P 500®, is one of the world's largest semiconductor companies with 2005 sales of \$5.8

billion (USD). www.freescale.com

About Software Technologies Group, Inc.

Software Technologies Group, Inc. (STG) provides design solutions for product developers allowing them to fully implement hardware and software technologies in their products. Since 1990, STG has provided end-to-end product design related services including design, development, testing and support. STG's broad expertise in a variety of commercial, real-time and embedded technologies and proven development methodology enable delivery of total solutions for a variety of markets. STG can be reached at 708-547-0110 or at its website <http://www.stg.com>.

Reader Inquiry Response:
Freescale Semiconductor
P.O. Box 17927
Denver, CO 80217 USA

Freescale™ and the Freescale logo are trademarks of Freescale Semiconductor, Inc. All other product or service names are the property of their respective owners. © Freescale Semiconductor, Inc. 2006.

Contacts

Freescale Semiconductor, Inc.

Media Contacts:

North America:

Shannon Reid, 480-413-3228

shannon.reid@freescale.com

or

Asia Pacific:

Gloria Shiu, 85-22-666-8237

gloria.shiu@freescale.com

or

Europe, Middle East and Africa:

Regina Cirmonova, 41-22-799-1258

regina.cirmonova@freescale.com

or

Japan:

Shinichi Sunohara, 81-3-5437-9129

shinichi.sunohara@freescale.com

or

Latin America:

Dale Weisman, 512-895-2795

dale.weisman@freescale.com

or

Software Technologies Group

Media Contact:

Ryan Maley, 708-547-0783

ryan@stg.com