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eSilicon Enables Digi International to Introduce Industry's First Flexible Ethernet Networking Module

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SUNNYVALE, CA, Jun 09 (MARKET WIRE) -- eSilicon Corporation, a pioneering semiconductor value chain producer (VCP), today announced that it has successfully delivered right-first-time silicon, on-time and within budget to Digi International, a leading developer of reliable products and technologies to connect and securely manage local or remote electronic devices over a network or via the web.

The eSilicon-produced ASIC (NS9215) is part of Digi International's ConnectCore(TM) 9P 9215, the industry's first flexible Ethernet networking module. It features two Flexible Interface Modules (FIMs) that allow users to load and use application-specific interfaces such as Secure Digital, Controller Area Network (CAN), 1-Wire, UARTs and other interfaces. This enables system developers to custom configure the ConnectCore 9P 9215 for the specific needs of an application.

The services and solutions provided by eSilicon for Digi included integration of an ARM9 processor together with high-performance mixed-signal analog-to-digital converters (ADCs) and Digi's FIM. eSilicon also applied proprietary power management techniques to lower the power consumption of the ASIC for use in battery-powered operations.

eSilicon's ability to achieve a short design cycle time and delivery of right-first-time silicon, enabled Digi to enter the market much quicker compared with other typical ASIC development schedules. As a result, this device enabled Digi to gain an edge versus their competition.

"We were delighted to work with Digi, enabling them to produce these groundbreaking processors," stated Jack Harding, chairman, president and CEO of eSilicon. "It is always exciting to work on a project that has such a powerful impact on the industry. With this ASIC, customers can easily upgrade protocols over time without having to replace hardware, resulting in huge cost savings."

Through the use of the NS9215 ASIC, the ConnectCore 9P 9215 module supports advanced networking protocols like IPv6, SNMPv3 and SSL. This is also the only Ethernet networking module to offer on-chip AES encryption for secure, fast network communications. The on-chip AES encryption engine provides 10 times the secure data throughput of comparable software-based solutions enabling Digi to speed up its WiFi software security solution, particularly its implementation of WPA2/802.11i wireless security for embedded applications. This ASIC is ideal for

industrial automation, medical device networking, and transportation and security/access control applications.

About eSilicon

eSilicon, a pioneering semiconductor Value Chain Producer (VCP), provides a comprehensive suite of design, productization and manufacturing services, enabling a flexible, low-cost, lower-risk path to volume chip production. The company delivers application specific integrated circuits (ASICs) to system original equipment manufacturers (OEMs) and fabless semiconductor companies who serve a wide variety of markets including the consumer, computer, communications and industrial segments. eSilicon - Enabling Your Silicon Success(TM). For more information, please visit www.esilicon.com.

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