



September 11, 2012

Microsemi Teams with Emcraft Systems to Deliver System-on-Module for Embedded Applications

Miniaturized Module Features SmartFusion® cSoC with ARM® Cortex™ M3 and uClinux

ALISO VIEJO, Calif., Sept. 11, 2012 /PRNewswire/ -- **Microsemi Corporation (Nasdaq: MSCC)**, a leading provider of semiconductor solutions differentiated by power, security, reliability and performance, today announced it has teamed with Emcraft Systems, a provider of microcontroller-based hardware and software solutions, to deliver a miniaturized system-on-module (SOM) for embedded applications. The new SOM features Microsemi's SmartFusion® customizable system-on-chip (cSoC) solution, as well as pre-loaded, royalty-free uClinux in a small 30 millimeter by 57 millimeter package. The jointly developed SOM allows product developers to reduce engineering and manufacturing complexities. Both the SOM and a starter kit are available now.

(Logo: <http://photos.prnewswire.com/prnh/20110909/MM66070LOGO>)

"Emcraft's system-on-module with SmartFusion will accelerate our customers' product development cycles," said Paul Ekas, vice president of Marketing at Microsemi. "It will also allow our customers to differentiate their equipment with the lowest power solutions and very small form factor."

Microsemi's SmartFusion cSoC integrates a field programmable logic array (FPGA), ARM® Cortex™ M3 processor and programmable analog on a single chip. The uClinux kernel and applications execute on the 100 megahertz 32-bit ARM core, while the integrated SmartFusion peripherals, FPGA fabric, and programmable analog blocks are used to implement various communication interfaces and protocols.

"Our co-developed SOM allows us to address growing customer demand for a highly integrated system solution that combines feature-rich uClinux with the design flexibility and low-power consumption that Microsemi's SmartFusion cSoC provides," said Kent Meyer, managing director of Emcraft Systems. "Customer interest in the miniaturized SmartFusion SOM is high and we have already begun shipping this new solution and our baseboard design files to customers for next-generation embedded products."

Additional Technical Information

The highly integrated SOM includes 16 megabytes (MB) of random access memory (RAM), 8 MB of flash, an Ethernet PHY, clocks and supporting circuitry, minimizing the number of external requirements necessary on a customer's baseboard. Additional features include:

- Powered from single +3.3 V power supply
- Serial console interface
- 802.3 Ethernet interface
- Watchdog timer (WDT)
- Real-time clock (RTC)
- Uncommitted SmartFusion interfaces (including 90+ FPGA I/Os) on the interface connectors

To purchase the SmartFusion SOM and starter kit online, contact Emcraft at +760-444-4165 or visit <http://www.emcraft.com/Microsemi-SmartFusion-SOM>.

About Microsemi

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense and security, aerospace, as well as industrial and medical markets. Products include mixed-signal integrated circuits, SoCs and ASICs; programmable logic solutions; power management products; timing and voice processing devices; RF solutions; discrete components; and Power-over-Ethernet ICs and midspans. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,000 employees globally. Learn more at www.microsemi.com.

About Emcraft Systems

Emcraft is a provider of hardware and software solutions for embedded applications, specifically those based on open platforms such as Linux, PICMG-defined modular platforms, and others.

Microsemi and the Microsemi logo are registered trademarks or service marks of Microsemi Corporation and/or its affiliates. Third-party trademarks and service marks mentioned herein are the property of their respective owners.

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: Any statements set forth in this news release that are not entirely historical and factual in nature, including without limitation statements related to its relationship with Emcraft Systems in delivering a miniaturized system-on-module, and its potential effects on future business, are forward-looking statements. These forward-looking statements are based on our current expectations and are inherently subject to risks and uncertainties that could cause actual results to differ materially from those expressed in the forward-looking statements. The potential risks and uncertainties include, but are not limited to, such factors as rapidly changing technology and product obsolescence, potential cost increases, variations in customer order preferences, weakness or competitive pricing environment of the marketplace, uncertain demand for and acceptance of the company's products, adverse circumstances in any of our end markets, results of in-process or planned development or marketing and promotional campaigns, difficulties foreseeing future demand, potential non-realization of expected orders or non-realization of backlog, product returns, product liability, and other potential unexpected business and economic conditions or adverse changes in current or expected industry conditions, difficulties and costs of protecting patents and other proprietary rights, inventory obsolescence and difficulties regarding customer qualification of products. In addition to these factors and any other factors mentioned elsewhere in this news release, the reader should refer as well to the factors, uncertainties or risks identified in the company's most recent Form 10-K and all subsequent Form 10-Q reports filed by Microsemi with the SEC. Additional risk factors may be identified from time to time in Microsemi's future filings. The forward-looking statements included in this release speak only as of the date hereof, and Microsemi does not undertake any obligation to update these forward-looking statements to reflect subsequent events or circumstances.

SOURCE Microsemi Corporation

News Provided by Acquire Media