



October 21, 2009

Mercury Computer Systems Announces Industry's First Intel-Based, RapidIO-Enabled Advanced Mezzanine Card

Mercury's high-performance Ensemble(TM) 2000 product family is enhanced with the Intel Penryn Fabric-Enabled LDS2100

CHICAGO, Oct. 21 /PRNewswire-FirstCall/ -- Mercury Computer Systems, Inc. (NASDAQ: MRCY), a leading provider of high-performance, embedded computing solutions for image, sensor, and signal processing applications, announced the industry's first available RapidIO-enabled Intel processing engine at SUPERCOMM 2009 in Chicago, Illinois.

(Logo: <http://www.newscom.com/cgi-bin/prnh/20081013/NEM013LOGO>)

The Ensemble 2000 Series LDS2100 Advanced Mezzanine Card (AMC) can be combined with the wide range of Ensemble 2000 family AMCs to create powerful, scalable MicroTCA and AdvancedTCA (ATCA) form factor solutions. The LDS 2100 contains an Intel™ Penryn processor and an innovative FPGA-based bridge, providing access to both RapidIO and 10 Gigabit Ethernet interfaces.

"The LDS2100 AMC delivers the key missing element in open standards-based, real-time computing power platforms: integration between the Intel processing world and the industry-accepted RapidIO standard," said Michael Katz, Director of Commercial Products for Mercury Computer Systems. "Until the advent of the LDS2100, there was no way to integrate the processing capabilities available in Intel architectures with the high-performance intra-system bandwidth of RapidIO."

The LDS2100's innovative architecture bridges the processing/bandwidth gap and enables Intel processors to become active data processing nodes within a MicroTCA or ATCA high-performance computing fabric. Capabilities such as signal and network processing algorithms implemented on a single Intel processor can now be easily replicated and scaled up via the RapidIO interconnect to accelerate demanding applications such as ground-based radar and software-defined routers for fourth-generation (4G) networks.

The LDS2100 AMC is scalable, optimized for real-time applications, and balances processing power with high-bandwidth interprocessor communications and external I/O bandwidth. These innovative technologies are a part of all Ensemble AMC's and systems. In addition to the native support for a RapidIO interface, the LDS2100 has optional support for 10G Ethernet interfaces, enabling scaling outside of a single chassis footprint.

The Ensemble LDS 2100 is available now. For more information, visit Mercury in Booth #3312 at SUPERCOMM 2009, visit www.mc.com/LDS2100, or contact Mercury at (866) 627-6951 or info@mc.com.

Mercury Computer Systems, Inc. - Where Challenges Drive Innovation™

Mercury Computer Systems (www.mc.com, NASDAQ: MRCY) provides embedded computing systems and software that combine image, signal, and sensor processing with information management for data-intensive applications. With deep expertise in optimizing algorithms and software and in leveraging industry-standard technologies, we work closely with customers to architect comprehensive, purpose-built solutions that capture, process, and present data for defense electronics, semiconductor equipment manufacturing, commercial computing, homeland security, and other computationally challenging markets. Our dedication to performance excellence and collaborative innovation continues a 25-year history in enabling customers to gain the competitive advantage they need to stay at the forefront of the markets they serve.

Mercury is based in Chelmsford, Massachusetts, and serves customers worldwide through a broad network of direct sales offices, subsidiaries, and distributors.

Forward-Looking Safe Harbor Statement

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the Ensemble 2000 Series products described herein. You can identify these statements by our use of the words "may," "will," "should," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to,

general economic and business conditions, including unforeseen weakness in the Company's markets, effects of continued geo-political unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, continued funding of defense programs, the timing of such funding, changes in the U.S. Government's interpretation of federal procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, and difficulties in retaining key customers. These risks and uncertainties also include such additional risk factors as are discussed in the Company's recent filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2009. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made.

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