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## **Mercury Computer Systems Continues to Enhance xTCA Subsystems for Demanding Applications**

### **Powerful, High Bandwidth, Low Latency Solutions for Satellite Communications, Telecommunications Test Equipment, and Semiconductor Manufacturing Equipment**

SANTA CLARA, Calif., Nov 10, 2010 (BUSINESS WIRE) --

Mercury Computer Systems, Inc. (NASDAQ: MRCY, [www.mc.com](http://www.mc.com)), a trusted provider of high-performance, real-time embedded computing, announced enhanced xTCA subsystems for demanding applications. These new subsystems provide high density, multi-core processing power and next generation serial RapidIO<sup>®</sup>, supporting twice the bandwidth of current solutions and delivering new Quality of Service capabilities.

The hardware base for these new subsystems includes the HCD2100, the first of a family of AMC supporting Freescale Semiconductor's family of QorIQ<sup>™</sup> processors. There is also a new ATCA carrier module, the BCC-301, delivering 20 GBS of bandwidth with next generation Serial RapidIO switching, as well as supporting four AMCs. These new components are the first examples of Mercury's extensions to market-leading xTCA application capabilities.

Computer systems embedded in sophisticated communications equipment are called upon to perform complex calculations and deliver deterministic, low-latency responses. Examples include: Satellite Communications, where beamforming techniques are used to efficiently maintain high bandwidth data links; Telecommunications Test Equipment, which must be powerful and flexible to simulate new generations of handsets with a wide range of behaviors; and SATCOM Gateways, supporting extremely high data bandwidths for voice and data traffic.

"Mercury has unique expertise and experience in data plane integration, using combinations of general purpose processors, DSPs and FPGAs to deliver powerful, high bandwidth, low latency xTCA solutions," said Mike Katz, Director, Product Management at Mercury Computer Systems, Inc. "Today's enhancements maintain that tradition, increasing both processing power and system bandwidth for a balanced improvement in overall subsystem performance. We combine these enhancements with customization, integration and test services to support layering an application onto subsystems for faster development and deployment of new capabilities," Katz added.

The HCD2100 is the first Mercury AMC module to support the Freescale QorIQ<sup>™</sup> Communications P4 Series Architecture<sup>™</sup> processor running at up to 1.5 GHz. It is well suited to providing high-performance computing for applications as diverse as wireless base stations, test and measurement in telecom, wafer lithography, and silicon inspection. "Freescale and Mercury have a long track record of collaborating to drive innovation within a wide range of markets," said Glenn Beck, Industrial Segment Market Manager of Freescale Semiconductor. "With Mercury's support for our QorIQ architecture, Freescale customers can now maximize the performance of highly compute and I/O intensive applications, general-purpose embedded computing systems in the networking, telecom/datacom, military and aerospace markets," he continued.

The BCC-301 is a next generation Carrier Blade for 4 AMCs, supporting both GigE switching and 20 Gbps serial RapidIO with multicast support for high-bandwidth low latency applications. It enables modular AMC configurations and is scalable with 2-, 5-, 6- and 14-slot ATCA chassis options. The BCC-301 uses the new CPS-1848 switch with enhanced diagnostics. "The BCC-301 doubles the bandwidth previously available for serial RapidIO, improving efficiency and significantly amplifying performance," said Stephane Gagnon, Director of Product Management of IDT. "This new carrier blade is further evidence of Mercury's commitment to driving technology and supporting a wide variety of network, telecom, industrial control, test and measurement, and defense applications," Gagnon added.

For more information on Mercury's performance advantage in delivering leading-edge, open-architecture computing systems and services, visit [www.mc.com/products/services.aspx](http://www.mc.com/products/services.aspx), or contact Mercury at (866) 627-6951 or [info@mc.com](mailto:info@mc.com).

### **Mercury Computer Systems, Inc. - Where Challenges Drive Innovation<sup>®</sup>**

Mercury Computer Systems ([www.mc.com](http://www.mc.com), NASDAQ: MRCY) provides high performance, real-time embedded computing systems, software and services for demanding applications. With deep expertise in optimizing algorithms and software and in leveraging industry-standard technologies, we work closely with defense and commercial customers to architect comprehensive, purpose-built solutions that capture, process, and present data for the telecommunications test equipment,

satellite communications, semiconductor equipment, homeland security, and defense electronics markets.

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 products and services described herein. You can identify these statements by the 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 geopolitical 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 and divestitures or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, changes to export regulations, increases in tax rates, changes to generally accepted accounting principles, difficulties in retaining key employees and customers, unanticipated costs under fixed-price service and system integration engagements, and various other factors beyond our control. These risks and uncertainties also include such additional risk factors as are discussed in the Company's filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2010. 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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