Mercury Computer Systems Announces Highest Performing GPGPU-Based OpenVPX Module in Embedded Computing Industry

Over 40 TFLOPS of Super-Computing Performance Delivers 5X More Processing Power in a Single Rugged, Deployable ISR Subsystem

CHELMSFORD, Mass., June 12, 2012 (GLOBE NEWSWIRE) -- Mercury Computer Systems Inc. (Nasdaq:MRCY) (www.mc.com), a trusted provider of commercially developed application-ready ISR and EW subsystems for defense prime contractors, announced the Ensemble™ Series 6000 Dual AMD GPGPU OpenVPX™ GSC6201 module. This new module delivers the defense industry's highest performing stream processing capability in a 6U form factor. Its flexible, modular design expands the customer's choice of GPGPU, allowing them to select the best GPGPU for their application.

The GSC6201 balances the disruptive computational capabilities of AMD's latest generation Radeon™ HD 7970M embedded GPGPU processor with high-bandwidth I/O interfaces, providing a powerful and scalable computing architecture that is well aligned with high-end radar, electronic warfare and image processing applications. With this product, Mercury leverages multiple open software and hardware technologies for straightforward interoperability, extensibility and portability. Among these open technologies is OpenCL™, an optimized, industry-standard software framework that supports code migration among GPGPUs and other processors for preservation of software IP. Open industry-standard hardware technologies incorporated within the GSC6201 utilizing AMD include OpenVPX for interoperability, extreme ruggedization for harsh environmental operation, and industry-standard MXM technology for rapid tech refresh and performance upgrades to the latest GPGPU technology.

"Mercury first implemented GPGPUs in 2004 and continues to deliver defense and commercial GPGPU-based solutions, including a wide range of currently deployed, high-performance intelligence, surveillance and reconnaissance (ISR) subsystems," said Scott Thieret, Technical Director at Mercury Computer Systems. "With AMD's latest Radeon HD 7970M embedded GPGPU and Mercury's StreamDirect™ and Imaging Toolkit, our customers can gain a performance improvement of over 5X compared with previous AMD solutions, greatly reducing the size, weight, and power (SWaP) required for real-time on-board exploitation."

"Our strong technology and business relationship with Mercury has resulted in several AMD successes in the defense industry," said Richard Jaenicke, director of Embedded Client Solutions at AMD. "We are thrilled that Mercury has selected the Radeon HD 7970M for their fourth-generation GPGPU module, and that Mercury has extended the Radeon HD 7970M's performance capabilities with StreamDirect technology for direct sensor-to-GPGPU processing, enabling outstanding performance."

The GSC6201 is available now and can be configured in air-cooled or conduction-cooled rugged versions.

For more information on GSC6201 for AMD, visit http://www.mc.com/gpgpu, 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) is a best-of-breed provider of open, commercially developed, application-ready, multi-INT subsystems for defense prime contractors. With over 30 years of experience in embedded computing, superior domain expertise in radar, EW, EO/IR, C4I and sonar applications, and more than 300 successful program deployments including Aegis, Global Hawk, and Predator, Mercury's Services and Systems Integration (SSI) team leads the industry in partnering with customers to design and integrate system-level solutions that minimize program risk, maximize application portability, and accelerate customers' time to market.

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 provided for the products and services described above. You can identify these statements by the use of the words "may," "will," "could," "should," "would," "plans," "expects,"

"anticipates," "continue," "estimate," "project," "intend," "likely," "probable," 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, continued funding of defense programs, the timing of such funding, 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, 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, 2011. 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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Image: Mercury Computer Systems Logo

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