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Mercury Systems Announces Its New InfiniBand-Based Product for OpenVPX High-Performance Embedded Computing Solutions

Industry's First Embedded Processing Module Using Intel's Powerful Third-Generation Processors and Dual Host Adapters for InfiniBand Fabric Support

CHELMSFORD, Mass., Jan. 17, 2013 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (Nasdaq:MRCY) (www.mrcy.com), a best-of-breed provider of commercially developed, open sensor and Big Data processing systems for critical commercial, defense and intelligence applications, has expanded its product line to offer the industry's first embedded processing module using the powerful Intel® 3rd generation Core™ i7 quad-core Ivy Bridge mobile-class processor and dual Mellanox® ConnectX®-3 host adapters for a total of four InfiniBand™ fabric connections. The new LDS6523 (low-density server) is an industry model for open architecture high-performance embedded computing solutions, offering unparalleled data plane bandwidth with four 40Gbps fabric ports. The product can be configured to support Double Data Rate, Quad Data Rate and 40 GigE speeds. Solutions based on the LDS6523 are perfectly suited for multi-dimensional applications requiring high throughput, determinism and low latency — such as CyberINT, IMINT, SIGINT and radar.

The LDS6523 is powered by the i7 quad-core processor running at 2.3 GHz. The processor utilizes Intel's revolutionary Advanced Vector Extensions (AVX) instruction set, which doubles the width of its SIMD engine and greatly increases floating-point processing performance. The ConnectX-3 device serves as a bridge between PCI Express® 3.0 interfaces on the processor and the OpenVPX™ data plane, and offers configurable speed settings that can scale the data plane bandwidth. To balance higher processing density, the data plane bandwidth scales on the LDS6523 architecture to ensure that the processor is fully utilized and never starved for more data.

The LDS6523 provides two mezzanine sites for configuration with standard I/O cards — one PMC/XMC site and one XMC site. The PCI Express architecture brings a PCIe® interface to both XMC sites and to the PMC, thus maximizing the flow of I/O into the processing subsystem. The LDS6523 enables mission security features and offers multiple I/O options and advanced system management in a VITA 65/46/48 (VPX-REDI) compliant form factor.

"With the variety of industry choices for I/O and fabric communications, using commercially available silicon such as InfiniBand is often the right path to take," said Leon Woo, Vice President of Mercury Engineering. "And by leveraging disparate commercial technologies and exploiting them using our open, subsystem-level framework in software, hardware and packaging, we can offer unique high performance solutions — and bring them to market rapidly."

"Mercury is a recognized leader in developing highly advanced embedded computing solutions," said Marc Sultzbaugh, senior vice president of worldwide sales at Mellanox Technologies. "Utilizing Mellanox's ConnectX-3, Mercury's LDS6523 embedded processing module provides end customers running critical commercial, defense and intelligence applications with industry-leading low-latency and high-bandwidth performance."

With over 30 years of multicomputer software expertise, including advanced multicore processor expertise, Mercury Systems is committed to maintaining an open software environment. This strategy is fully applied to the LDS6523 module. In fact, the same Linux® development and run-time environments implemented on the LDS6523 module are also implemented on Mercury's other Intel-based product platforms. Mercury also supports open software and middleware standards, including OFED and MPI.

The LDS6523 is available and shipping today. For detailed specifications and general product information, visit www.mrcy.com/infiniband or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems – Innovation That Matters™

Mercury Systems (Nasdaq:MRCY) is a best-of-breed provider of commercially developed, open sensor and Big Data processing systems, software and services for critical commercial, defense and intelligence applications. We deliver innovative solutions, rapid time-to-value and world-class service and support to our prime contractor customers. Mercury Systems has worked on over 300 programs, including Aegis, Patriot, SEWIP, Gorgon Stare and Predator/Reaper. We are based in Chelmsford, Massachusetts. To learn more, visit www.mrcy.com.

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," "could," "should," "would," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," "likely," "forecast," "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, 2012. 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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