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Groundbreaking 3U OpenVPX Processing Solution Unveiled by Mercury Systems

Powerful Combination of Intel Xeon Processor D Family Server-Class and FPGA Processing in a Rugged, 3U OpenVPX Module

CHELMSFORD, Mass., March 9, 2015 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (Nasdaq:MRCY), a leading high-tech commercial provider of more affordable secure and sensor processing subsystems powering today's critical defense and intelligence applications, announced the rugged OpenVPX™ Ensemble® LDS3506 processing module that seamlessly integrates the Intel® Xeon® processor D system-on-a-chip (SoC) product family (formerly codenamed "Broadwell DE") with Xilinx's powerful Ultrascale™ FPGA in a SWaP-constrained 3U package. This dense union of best available commercial-item general processing and FPGA resources produces a highly versatile, affordable and interoperable building block for embedded, high-performance computing applications with additional low-latency, refresh and mission capabilities.

The Ensemble LDS3506 leverages Mercury's fourth generation of highly SWaP-efficient packaging technology to securely deliver the Intel Xeon processor D product family for reliable deployment in scalable subsystems right to the tactical edge. The Ensemble LDS3506 secures and cools the best commercial technology to produce a dense, powerful combination of general server-class and low-latency front-end FPGA processing in an open systems architecture module that is designed and made in the USA.

"With over 256 peak GFLOPS of general processing power from the Intel processor alone, the Ensemble LDS3506 represents a disruptive force in the 3U embedded market space," said Ian Dunn, Vice President of Mercury Systems' Embedded Products group. "But, it is the unique combination of this latest Intel technology combined with the low-latency and versatile FPGA resources that delivers a potent compute solution for multidimensional SWaP-constrained applications, particularly those that are sensitive to performance and latency, such as electronic warfare (EW), electro-optical/infrared (EO/IR), image intelligence (IMINT) and other mission or sensor processing applications."

The LDS3506 provides x4 Gen3 PCIe connectivity across the data plane via Xilinx's FPGA device, with multiple DMA-enabled non-transparent bridge (NTB) interfaces, giving users the versatility needed to construct powerful processing subsystems quickly. The module's latest Xilinx FPGA hosts Mercury's Protocol Offload Engine Technology (POET™) to give each module the ability to refresh its mission capability, provide information assurance abilities, or even refresh or upgrade its switch fabric itself without affecting any hardware.

"The Intel Xeon processor D family featuring Intel Advanced Vector Extension 2.0 (Intel AVX2) support, SoC architecture and the integrated Platform Controller Hub enables server-class performance within smaller form factors, including 3U OpenVPX," said Steve Price, General Manager, Communications Infrastructure Division, Intel. "The elegance of the SoC architecture of the Intel Xeon processor D-1540 supports a new range of dense, efficient system designs in both the micro-server market and the embedded defense application space."

The Ensemble LDS3506 supports open data movement middleware, including Open MPI and OpenMPI/OFED™, VITA 46.11 system management, and standard optimized math libraries. Modules will be initially populated with the 45W TDP Xeon® D-1540 processor and will be available with additional Intel® Xeon® D series processors as they become available. Customer demonstrations will begin spring 2015 and production units will become available later this year for air-cooled, conduction-cooled, and Air Flow-By™ systems. Additional products in the 6U OpenVPX form factor based on the Intel Xeon processor D family are expected to be announced by Mercury later this year.

For detailed specifications and general product information, visit www.mrcy.com/LDS3506 or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems - Innovation That Matters™

Mercury Systems (Nasdaq:MRCY) is the better alternative for affordable, secure and sensor processing subsystems designed and made in the USA. Optimized for program and mission success, Mercury's solutions power a wide variety of critical defense and intelligence applications on more than 300 programs such as Aegis, Patriot, SEWIP, F-35 and Gorgon Stare. Headquartered in Chelmsford, Massachusetts, Mercury Systems is a high-tech commercial company purpose-built to meet

rapidly evolving next-generation defense electronics challenges. 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," "potential," 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 and amounts 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, or in the U.S. Government's interpretation of, federal export control or 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, divestitures and restructurings, 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, 2014. 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.

A photo accompanying this release is available at http://www.globenewswire.com/newsroom/prs/?pkgid=31236

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Mercury's 3U LDS3506 processing module