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Mercury Systems Launches 6U OpenVPX Server with Extreme Durability and Security

New Ensemble Series LDS6527 available in MOTS configurations and with BuiltSECURE technology

ANDOVER, Mass., Oct. 09, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com) announced the Ensemble[®] 6000 Series LDS6527 6U OpenVPX[™] single board computer (SBC) with available options for Modified Off-the-Shelf (MOTS) extreme durability configurations and BuiltSECURE[™] technology. MOTS configurations leverage enhanced commercial components, board fabrication rules, and subsystem design techniques to withstand extreme temperature cycles over a longer period of time than standard rugged designs. For deployment at the tactical edge and export to U.S. allies, Mercury's BuiltSECURE technology counters nation-state reverse engineering through world-class systems security engineering expertise.

Featuring an embedded-server-class 12-core Intel[®] Xeon[®] Processor D family CPU, two mezzanine sites for agile I/O customization, and 40/10 Gbit Ethernet or InfiniBand[™] FDR10 switched communications for a high bandwidth data plane, the LDS6527 seamlessly supports open data movement middleware alongside APIs to ensure customers' software investment is preserved. Mercury's advanced cooling technology standards such as Air Flow-By[™] cooling enable the use of the hotter server CPU and InfiniBand chips. In addition to traditional signal processing for radar and electro-optic/infrared (EO/IR), the LDS6527 SBC has capabilities to provide on-board data exploitation for the most demanding ISR applications as well as cognitive or adaptive algorithms for agile communications, EW, and radar systems.

Modified Off-The-Shelf techniques are derived from the exacting requirements of dozens of military and avionics programs. Techniques such as the use of eutectic solder, component underfill, and conformal coating address solder joint cracking that occurs with extreme and long-term thermal cycling. More advanced approaches address issues such as gold embrittlement, or the tin whisker growth that leads to short circuits despite conformal coating. The result is higher and longer-term durability for the most demanding environments and mission profiles.

"Mercury's Modified Off-The-Shelf capabilities go well beyond the more common Military Off-The-Shelf offerings through much more stringent design rules and manufacturing techniques," said Shaun McQuaid, Mercury's Director of Product Management. "By applying the techniques developed over dozens of programs, Mercury can significantly reduce our customers' technical and schedule risks while driving affordability and program velocity."

Designed and manufactured in the USA in DMEA-trusted facilities, the Ensemble Series LDS6527 SBC is available either as a standalone module or as part of a pre-integrated processing subsystem solution. Pre-integrated solutions offer a wide range of options for sensor chain processing, from RF and digitization to storage, exploitation, and mission computing.

Mercury's Ensemble Series of embedded compute building blocks has the highest performance and the broadest selection in the industry. Each open system architecture building block is engineered for best commercial performance and most rugged packaging. Their ease of pre-integration makes the Ensemble compute ecosystem the best choice for designers of dense, powerful embedded COTS and MOTS processing solutions.

For more information on Mercury's Modified Off-The-Shelf (MOTS) processes and capabilities, download the MOTS white paper at www.mrcy.com/MOTS. For more information on the Ensemble 6000 Series LDS6527 6U OpenVPX SBC, visit www.mrcy.com/LDS6527 or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems — Innovation That Matters[™]

Mercury Systems (NASDAQ:MRCY) is a leading commercial provider of secure sensor and mission processing subsystems. Optimized for customer and mission success, Mercury's solutions power a wide variety of critical defense and intelligence programs. Headquartered in Andover, Mass., Mercury is pioneering a next-generation defense electronics business model specifically designed to meet the industry's current and emerging technology needs. 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 or unanticipated expenses due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions and restructurings, or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, increases in interest rates, 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, 2017. 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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