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Mercury's New Fiber I/O Module is First in Industry to Transfer and Process Data Across 16 Channels in Single 6U OpenVPX Slot

Unique Multi-Channel Fiber Solution is Only Module Able to Ingest High-Bandwidth Digitized I/O From Multiple New Sensors for Critical Advanced Applications

CHELMSFORD, Mass., Sept. 20, 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 a groundbreaking 6U OpenVPX™ fiber I/O module: the Echotek® Series SCFE-V6-4QSFP-OVPX. This industry-leading module is the only one to combine 16 channels of high-speed fiber with three of the most powerful Xilinx® Virtex®-6 Field Programmable Gate Array (FPGA) processors available today. With a maximum data transfer capacity of 80 Gbps, the module is well suited to support the high-bandwidth digitized I/O created by various commercial and defense applications including the current generation of advanced ISR sensors.

"This new solution leads the market in both channel density and FPGA performance per slot," said Ian Dunn, Vice President and General Manager of Mercury's Microwave and Digital Solutions Group. "It adds a critical capability for creating balanced designs in sensor processing subsystems, by providing an extremely high-bandwidth I/O interface, sufficient to match the new levels of processing power delivered by current multi-core technology. It is also based on the OpenVPX and FMC industry standards, simplifying future technology upgrades."

Each of the 16 channels of fiber supports a full duplex data rate of up to 5 Gbps, while the three FPGAs enable on-board preprocessing of data streams for maximum application efficiency. The fiber channels are supported on two Optical Interface FPGA Mezzanine Cards (FMCs); each FMC has two 4x QSFP connections supporting eight channels of 2.5 Gbs sFPDP or two channels of 10 GigE. The FPGAs can be configured with a range of IP, enabling signal processing algorithms and protocol implementations. A serial RapidIO® backplane connection provides high-speed communication with other subsystem modules.

For more information, visit mc.com/microwave-rf 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 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.

CONTACT: Robert McGrail, Director of Corporate Communications
Mercury Computer Systems, Inc.
+1 978-967-1366 / rmcgrail@mc.com

Mercury Computer Systems