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Mercury Computer Systems Launches High Performance, Low Power OpenVPX Products Based on 3rd Generation Intel(R) Core(TM) Processor for Defense and Aerospace Applications

New Mobile-Class OpenVPX Products Augment Mercury's Server-Class and GPGPU Building Blocks Providing Latest Processor Technologies for Embedded Real-Time Applications

CHELMSFORD, Mass., Apr 23, 2012 (GlobeNewswire via COMTEX) --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 6U OpenVPX™ LDS6524 and the 3U OpenVPX SBC3512 modules based on the 22 nanometer 3rd generation Intel® Core™ processor family (formerly codenamed "Ivy Bridge"). Utilizing the quad-core Intel® Core™ i7-3615QE processor for the LDS6524 and the quad-core Intel® Core™ i7-3612QE processor for the SBC3512, the new OpenVPX modules deliver greatly improved performance per watt, a key design metric for high-performance defense and aerospace applications.

For applications that require the absolute highest performance, the 3rd Generation Intel Core processor family supports a higher maximum clock speed at the same power dissipation compared to prior generation products. Customers that have field-tested and deployed the 2nd Generation Intel Core™ i7 processor-based products from Mercury can now upgrade to the new LDS6524 or SBC3512 without expensive software recoding or system-level redesign. Additionally, for applications that require the absolute lowest power, performance can be controlled with advanced software features in the Intel Core processor that greatly reduce power dissipation dynamically during run-time.

"Offering optimized building blocks and staying in lockstep with the latest technologies is critical for our customers to rapidly deploy best-of-breed defense and aerospace applications," said Steve Patterson, Vice President of Defense Product Management, Mercury Computer Systems. "Mercury is unique in that we deliver both Intel mobile-class and Intel server-class based products and we are committed to offering the latest Intel processors as they become available. With this capability, customers can mix and match server and mobile-class processor technologies to achieve a 3-5x system performance improvement," continued Patterson.

"The 3rd generation Intel® Core™ processor family used in Mercury's new OpenVPX rugged products is based on the 22 nanometer process technology and brings increased performance at the same power dissipation of the previous generation," said Matt Langman, director of marketing, Intel Intelligent Systems Group. "Higher performance combined with the Intel® AVX processing capability on the four cores meets signal processing requirements as well as the computing needs of traditional, embedded real-time applications."

Mercury offers a variety of validated building block types so customers can configure OpenVPX systems to optimize their specific application. The new mobile-class LDS6524 can be combined with Mercury's recently announced server-class Intel® Xeon® E5-2600 family-based HDS6601 to maximize the number of processors in the OpenVPX system while also configuring the right amount of I/O for the application. Mercury offers a full ecosystem of building blocks for the most demanding applications. Specialty processors such as FPGA- and GPGPU-based Mercury modules can be added to the system to enable the best technology for each stage of the signal processing chain. These modules are interconnected with industry-standard I/O, based on Mercury's high-speed, low-latency Protocol Offload Engine Technology (POET™), enabling a software-compatible ecosystem for systems with unmatched size, weight, and power (SWaP) characteristics.

Customers recognize application software code preservation is important for both rapid time to market and lower life cycle cost. Since the LDS6524 and SBC3512 are software-compatible with previous product generations and are supported by Mercury's MultiCore Plus® software development environment, customers preserve their software investment. MultiCore Plus delivers high-performance data movement interfaces and processing libraries with industry-standard open interfaces. Examples include the embedded computing industry's fastest interconnect software based on OpenMPI/OFED with direct access to POET™ DMA engines and the industry renowned Scientific Application Library (SAL) with new AVX optimizations. Because the modules are based on open architecture, third party products such as Mentor Graphics' VSIPL++ are also available. Additionally, customers can develop code and migrate it seamlessly from Mercury's workstation-based Virtual Multi-Computer (VMC) simulator to the OpenVPX target modules, enabling quick deployment of lab-based algorithms.

The LDS6524 and SBC3512 are available now and can be configured in air-cooled or conduction-cooled rugged versions.

For more information on the Ensemble 6U LDS6524 and 3U SBC3512 modules, visit <http://www.mc.com/intel>, 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," "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, 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, continued funding of defense programs, the timing of such funding, 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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