Mercury Systems Unveils First Intel Xeon E5 Broadwell Architecture-based OpenVPX Blade Server

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Server-class symmetric multiprocessing enables artificial intelligence and complex sensor fusion applications for greater platform autonomy and smarter missions

ANDOVER, Mass., Feb. 14, 2019 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, www.mrcy.com) announced the EnsembleSeries ™ HDS6603B blade server, the embedded computing industry's most powerful open systems architecture (OSA) general processing blade in a rugged 6U OpenVPX ™ package. Powered by dual Intel® Xeon® E5 processors using the latest "Broadwell" microarchitecture, the HDS6603B blade server has the same proven cooling, packaging and interconnect technologies found in earlier generations of Mercury Xeon E5 blades. These open system compliant technologies have a technology readiness level of nine (TRL-9) making the blades well-suited to rugged defense applications and upgrades.

Mercury's EnsembleSeries™ HDS6603B Blade Server features dual Intel® Xeon® E5 processors in a rugged 6U OpenVPX™ package.

Intel's Broadwell architecture reduces fabrication geometry to increase clock speed and core count options, while lowering the power consumed. With up to 28 cores from dual 2.2GHz, QPI-enabled devices, each HDS6603B blade delivers an industry-leading 1.61 TFLOPS of general-purpose processing power.

"Mercury's growing rugged server line of products is enabling our customers to place the real-time processing capability they require on their platforms to execute smarter, next generation missions," said Joe Plunkett, Mercury's Senior Director and General Manager for Sensor Processing solutions. "Our new HDS6603B blade server brings even more processing capability, a reduced power draw and optionally may include built-in modified-off-the-shelf (MOTS+) and BuiltSECURE ™ technologies, enabling them to be deployed anywhere with the highest levels of reliability."

EnsembleSeries Features & Capabilities

With a 30-year track record in delivering reliable solutions for defense applications, Mercury's blade servers are known for their long life-cycles, high-performance, environmental resiliency, interoperability, and SWaP optimization.

Processing Power: EnsembleSeries HDS6603B blades feature dual Intel Xeon E5 data center processors with Broadwell architecture, 256GB of DDR4-2133 SDRAM shared system memory, and provide 1.61 TFLOPS of general processing power with QPI, AVX2 and FMA functionality.

Security: Optional BuiltSECURE technologies counter nation-state reverse engineering with systems security engineering (SSE) that enables turnkey or private and personalized security solutions to be quickly configured. The extensible nature of Mercury's SSE delivers system-wide security that evolves over time, building in future proofing. As countermeasures are developed to offset emerging threats, Mercury's security framework keeps pace, maintaining system-wide integrity.

Ruggedness: Optional MOTS+ technology leverage enhanced commercial components, board fabrication rules, and subsystem design techniques for extra durability and withstand extreme temperature cycles and mechanical excitation better than other rugged designs.

Advanced Packaging and Cooling: EnsembleSeries HDS6603B server blades are packaged using Mercury's proven fifth generation of advanced packaging, cooling and interconnects. Collectively these technologies protect the blades from the harshest environments, keeping them cool for long, reliable service lives while enabling consistent 40Gbps in-system OpenVPX switch fabric bandwidth.

Open Systems Architecture: EnsembleSeries HDS6603B blades are OpenVPX-compliant, making them ideal for technology refreshes.

Applications: With their faster clocks, large core counts and 256GB of shared DDR4-2133 SDRAM, EnsembleSeries HDS6603B blades memory are ideally suited to complex on-platform processing applications including sensor fusion, deep learning, and artificial intelligence which characteristically require about six times as much memory as a regular data center server and twice the storage.

Mercury's HDS6603B blades are designed, manufactured, coded and supported in the USA from DMEA certified facilities and will be available in the company's third fiscal quarter. For more information, visit www.mrcy.com/HDS6603B or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems – Innovation That Matters®

Mercury Systems is a leading commercial provider of secure sensor and safety-critical 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 and follow us on Twitter.

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 fiscal 2019 business performance and beyond and the Company's plans for growth and improvement in profitability and cash flow. 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 any U.S. Federal government shutdown or extended continuing resolution, 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 cyber-security regulations and requirements, changes in tax rates or tax regulations, 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, 2018. 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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A photo accompanying this announcement is available at http://www.globenewswire.com/NewsRoom/AttachmentNg/3bd1ae07-7143-428e-b3dd-1dbca69507ea

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