



Mercury Systems Debuts Defense Industry’s First Secure Solid-State Drive Featuring MLC Flash Technology

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Performance-enhancing algorithms with embedded security deliver sustained, high-speed read/write operations for unpredictable and hostile military environments

ANDOVER, Mass., Feb. 13, 2018 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com) announced the launch of its new BuiltSECURE™ TRRUST-Stor® solid-state drive (SSD) featuring high-speed serial ATA and non-volatile memory express interfaces to a host computing system. The new secure SSD product marries one terabyte of industrial-grade multi-level cell (MLC) NAND flash with Mercury’s exclusive ARMOR® 4 NAND processor. With a compact, military-hardened 2.5-inch form factor enclosure, Mercury’s new design architecture sustains 1GB per second read and write operations in environmentally rugged military applications without sacrificing security.

State-of-the-art defense electronics incorporate numerous sensor systems for real-time data collection. As more of these sensor systems are deployed in military platforms, each system is also tasked with storing larger volumes of data per unit of time. These rich data streams must be stored for off-line analysis where the smallest signals of military interest must be discerned. However, continuous high-speed operation in thermally and mechanically stressful military environments places a tremendous demand on data storage devices to operate without interruption for extended periods of time. Further complicating this scenario, these systems also require the strongest encryption technology to ensure robust data protection in the event of enemy capture.

Mercury’s new BuiltSECURE™ TRRUST-Stor® SSD is a compact, military-hardened 2.5-inch form factor enclosure. “Having perfected the implementation of security in a commercial processor in a compact enclosure, we have now expanded the breadth of our secure SSD portfolio to address applications appropriate to the defense industry without compromising the integrity of highly valuable data,” said Iain Mackie, Vice President and General Manager of Mercury’s Defense Electronics Secure Solutions group. “Today, defense prime contractors and our nation’s warfighters can leverage our most affordable, battle-tested BuiltSECURE technology for their most sophisticated defense electronics systems.”

Conventional SSD devices, with bolt-on security solutions adapted for military applications, rely upon commercial-grade NAND flash memory paired with mass-produced SSD controllers of foreign origin. Upon exposure to the extremes in temperature common to military environments, these devices throttle down data transfer rates, thus compromising mission success. In contrast, Mercury’s new secure SSD for heavy-duty read/write operation is precision engineered to deliver sustainable, high-speed data transfers over an industrial temperature range of -40 to +85 degrees Celsius. Furthermore, Mercury’s new product was designed to operate during the extreme mechanical shock and vibration conditions encountered in military deployments. As with all of Mercury’s commercial SSD devices, customers selecting the new TRRUST-Stor product can rest assured that its BuiltSECURE technology has received FIPS 197 certification of compliance to the advanced encryption standard with 256 bit keys in the XTS block cipher mode (AES-256 XTS).

Mercury’s resolute commitment to security extends far beyond product design and into the cadence of its daily operations. The Company’s entire portfolio of advanced digital microelectronic solutions are designed and manufactured in a Defense Microelectronics Activity (DMEA)-accredited facility for design, packaging, test and broker services. Mercury’s dedication to excellence in all aspects of industrial security has been recognized with several of its facilities having received a Superior rating from the Defense Security Service (DSS).

Mercury’s application engineering team routinely demystifies the implementation of security for the most complex military applications. For application assistance, additional product information or purchase inquiries, customers can visit <http://www.mrcy.com/MLC-SSD> or contact Mercury at secure.ssd@mrcy.com or (866) 627-6951.

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.

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 2018 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 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, 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, 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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A photo accompanying this announcement is available at <http://www.globenewswire.com/NewsRoom/AttachmentNg/fb500c48-d11d-49df-a464-f85b744b2e75>

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