Mercury Systems Announces Next-Generation High Density Server Modules

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Composable XR6 RES HD modules maximize performance for C4ISR applications

ANDOVER, Mass., July 24, 2018 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, www.mrcy.com) today announced the launch of its third generation RES HD modules featuring the newest Intel® Xeon® Scalable processors and three additional storage, PCIe expansion, and managed switch modules. The new XR6 RES HD modules maximize performance with the latest commercial-off-the -shelf (COTS) components and plug into three scalable and extendible RES HD chassis.

Mercury's new composable XR6 RES HD modules maximize performance for C4ISR applications.

"Mercury's RES HD servers were designed to reduce the overall costs associated with technology upgrades, logistics, lifecycle management, and total cost of ownership," said Michael Schneider, Vice President of Mercury's Trusted Mission Solutions group (formerly Themis Computer). "The new XR6 RES HD modules offer higher performance and additional capabilities without requiring users to rip and replace existing systems."

XR6 RES HD Module Highlights

- **High Performance:** Each compute, storage, and PCIe expansion module embeds two Intel Xeon Scalable processors with up to 20 cores per socket and 2666MHz DDR4 ECC memory–delivering superior workload-optimized performance and hardware-enhanced security in the same small footprint. A 3U server could be configured to deliver 8 Intel Xeon Scalable CPUs, 6TB of memory, and 480TB of storage.
- **Supercomputing and Virtualization:** The newest PCI expansion module (HDP) increases throughput for high demand workloads accommodating a full sized NVIDIA® Tesla® (e.g. V100) and Quadro® (e.g. GV100) graphics card in addition to two half-length PCIe 3.0x16 cards. Additional PCIe configuration options are also available.
- **Optimized High Density Storage:** The new RES HDS4 double slot module features 4 front-access SATA, SAS3 or U.2 storage drives to deliver up to 120TB of storage per module. Additional storage options include the HDS8 double slot and HDSE single slot modules that accommodate up to 8 SATA/ SAS3 drives each. Secure storage options are also available. A configured 2U or HDslim server can deliver four Intel Xeon Scalable processors and 720TB of storage with 24 direct attached HDD/SSD drives.
- **100GbE Switch Module:** The new 100GbE managed switch module (HDN100) integrates Mellanox® switching technology to pack 18 ports of 10/25GbE and 4 splittable ports of 40/100GbE, to deliver up to 1.7Tb/s aggregate throughput and 300ns consistent latency for 100GbE.
- **Minimum SWaP:** RES HD servers double the compute density as each module takes half the rack space and reduces total system weight by 50% when compared to standard commercial hardware. With per module weights as low as 10lbs, XR6 RES HD modules cut costs associated with spares.

RES HD Server Features

A part of Mercury's EnterpriseSeries ™, RES HD is a high-density multi-server platform that delivers long-term sustainability with high performance modules and backward compatible chassis.

- **Modular and Composable:** Users can achieve optimum performance and precise functionality for a multitude of applications by mixing, matching, and configuring over six module types that plug into the chassis in any combination. Each combination creates a new type of functionality, allowing modules to be reconfigured and repurposed as applications require.
- **Eliminates rip and replace:** Users simply "plug and pull" modules during technology maintenance or upgrades without removing the chassis from the rack. Each RES HD chassis has a typical 15-year lifespan and accommodates current, previous, and future generation RES HD modules.
- **Three Chassis Options:** RES HD modules plug into three different chassis. The Themis RES HD 2U and 3U chassis fit

into 19" wide server racks and feature four or six module bays. The 9.9" (25.1cm) wide, four bay HDslim fits in a commercial airline bin and can be carried aboard aircrafts and vehicles with ease. Both rear I/O and front I/O chassis options are available.

- **Enhanced Reliability:** Designed for mission critical applications, RES HD servers operate from 0°C to +50°C, with greater temperature extremes available for special configurations. Advanced thermal and mechanical design features deliver superior resilience to shock, vibration, dust, sand, and temperature extremes. Multiple power supply options are available including redundant AC/DC power. The servers meet MIL-STD-810G specifications.

For additional product information or purchase inquiries, visit mrcy.com/HD 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 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 the acquisition 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 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/e6d6f065-fc6c-494a-98e6-8124f02ce3a7

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