Mercury's first-to-market avionics modules provide safe, powerful, flight-ready computing

Feb 24, 2022 at 4:15 PM EST

Safety-critical multicore 6U solutions accelerate data-intensive sensor processing applications while lowering risk

ANDOVER, Mass., Feb. 24, 2022 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, www.mrcy.com), a leader in trusted, secure mission-critical technologies for aerospace and defense, today announced the new FIOVU-2180 and CIO10-2080 6U OpenVPX™ avionics modules, the first safety-certifiable multicore modules on the market to incorporate the latest Intel® Xeon® D-1700 processors (former code name Ice Lake D). Power-efficient, rugged and reliable, the new avionics modules deliver processing performance 2–3x that of previous generations and are ideally suited for mission-critical applications such as flight computing, platform management and artificial intelligence (AI).

Mercury's new BuiltSAFE avionics modules

Mercury Systems' new BuiltSAFE FIOVU-2180 and CIO10-2080 6U OpenVPX™ avionics modules are the first safety-certifiable multicore modules on the market to incorporate the latest Intel® Xeon® D-1700 processors.

Why It Matters:
Unlocking the power of AI and machine learning through the combined innovation of Mercury and Intel, pilots benefit from more accurate situational awareness, while military and urban air mobility aircraft are made safer and more capable.

"Developers and system integrators require safe, reliable and scalable modules and systems with the most advanced technology to flawlessly manage, process and connect sensor data across platforms and domains," said Jay Abendroth, vice president and general manager, Mercury Mission. "By using our first-to-market, purpose-built, safety-critical 6U modules with the newest Intel processors and Wind Rivers' VxWorks software, they can accelerate development of data-intensive airborne applications and lower operational risk, saving time and money."

Built with the latest commercial technology and proven BuiltSAFE™ elements

- Intel Xeon D-1700 processors for increased performance and improved signaling
- Dual Xilinx Virtex® UltraScale+™ XCVU9P FPGAs to support real-time algorithms
- Dynamically reconfigurable FPGA framework to simplify and speed FPGA programming
- PCIe 3.0 interconnects and integrated 40Gb/S Ethernet to accelerate high-bandwidth applications
- Board support packages for Wind River VxWorks™ to achieve FAA CAST-32A objectives

"Next-generation avionics applications require powerful AI and real-time capabilities," said Avijit Sinha, chief product officer, Wind River. "Wind River Studio's VxWorks and Helix™ Virtualization Platform enable high-speed processing and low-latency deterministic computing that is vital for high-risk scenarios that demand quick decisions. By working with Mercury, we can help customers meet evolving market needs and accelerate their time to market with flight-ready, secure and certified solutions."

The new modules feature BuiltSAFE proven, modular, commercial-off-the-shelf (COTS) elements complete with hardware and software DO-254 and DO-178 artifacts to deliver smooth performance and streamline system development, integration and deployment. Mercury's BuiltSAFE solutions have been designed, tested, certified and fielded over three decades on multiple safety-critical platforms.

Mercury envisions, creates and delivers innovative technology solutions purpose-built to meet their customers' most pressing high-tech needs, and is currently accepting orders for FIOVU-2180 and CIO10-2080 modules. For more information, contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems – Innovation That Matters®
Mercury Systems is a global commercial technology company serving the aerospace and defense industry. Headquartered in Andover, Mass., the company delivers trusted, secure open architecture processing solutions powering a broad range of mission-critical applications in the most challenging and demanding environments. Inspired by its purpose of delivering Innovation that Matters, By and For People Who Matter, Mercury helps make the world a safer, more secure place for all. To learn more, visit mrcy.com, or 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 the products and services discussed herein and to fiscal 2022 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 epidemics and pandemics such as COVID, 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, changes in, or in the interpretation or enforcement of environmental rules and regulations, market acceptance of the Company's products, shortages in or delays in receiving components, production delays or unanticipated expenses due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions, restructurings and value creation initiatives such as 1MPACT, or delays in realizing such benefits, challenges in integrating acquired

businesses and achieving anticipated synergies, effects of shareholder activism, increases in interest rates, changes to industrial security and cyber-security regulations and requirements, changes in tax rates or tax regulations, changes to interest rate swaps or other cash flow hedging arrangements, 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 July 2, 2021. 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 Systems Inc.
+1 (978) 967-1366 | robert.mcgrail@mrcy.com

A photo accompanying this announcement is available at https://www.globenewswire.com/NewsRoom/AttachmentNg/ff87985d-ca2e-49c4-8ce0-76a4d8e68cd4