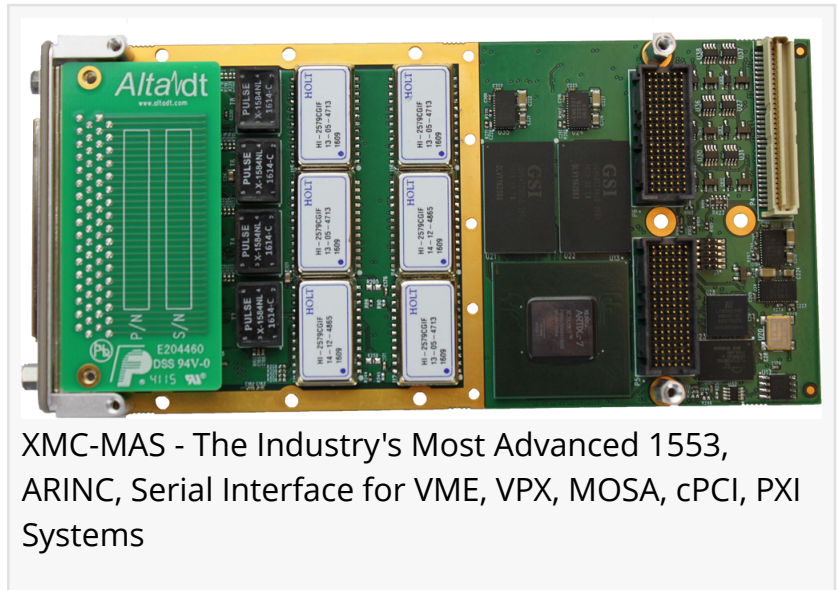# Alta Data Technologies Releases New XMC-MAS Multi-Protocol Card for Avionics Applications

New Card Combines 1553, ARINC, and Serial Interfaces for Integrated Avionics Systems

RIO RANCHO, NM, UNITED STATES, December 17, 2024 / EINPresswire.com/ -- Alta Data Technologies (Alta), a provider of avionics interface solutions, announces the release of its new multi-protocol XMC interface card, the XMC-MAS. This card provides a comprehensive solution for avionics systems by integrating MIL-STD-1553, ARINC, and asynchronous serial (RS-232/422/485) interfaces on a single board.

XMC-MAS - The Industry's Most Advanced 1553, ARINC, Serial Interface for VME, VPX, MOSA, cPCI, PXI Systems

This combination of protocols, including support for serial interfaces commonly used for many devices including MIL-STD-188 radios, makes the XMC-MAS well-suited for use in cargo aircraft, helicopters, and other air and land vehicles where space and weight are critical factors. The XMC-MAS is available in commercial, extended temperature, and conduction-cooled versions.

> "
> This integration simplifies system design and opens up new possibilities for avionics applications, from cargo handling and flight control to navigation, communication, and sensor integration"
>
> *Harry Wild, VP of Sales*

The XMC-MAS offers a range of features for avionics applications. It provides 1-2 channels of MIL-STD-1553A/B, optional 4 ARINC channels, and 4 channels of asynchronous serial RS-232/422/485, addressing diverse communication needs. The four-lane VITA XMC form factor optimizes functionality while minimizing size and power requirements. The card includes Alta's AltaAPI™ SDK, supporting a wide range of operating systems to simplify integration. Integrated trigger, clock, and IRIG-B decoder enhance operational capabilities and simplify system development.

"The XMC-MAS is a game-changer for our customers," said Harry Wild, VP of Sales at Alta. "By consolidating avionics interfaces like 1553, ARINC, and serial onto a single card, we are reducing size and weight, which is essential for platforms like cargo aircraft, helicopters, and ground vehicles. This integration simplifies system design and opens up new possibilities for avionics applications, from cargo handling and flight control to navigation, communication, and sensor integration."

About Alta Data Technologies
Alta is a rapidly growing, private company that provides industry-leading MIL-STD-1553 and ARINC COTS avionics interface products. Alta's products are offered in high-density channel counts, Ethernet converters, and USB and Thunderbolt™ appliances. Interface cards include boards for PCI Express, PMC, XMC, VPX, MOSA, VME, cPCI/PXI, PXIe, and Mini PCI Express. Learn more at www.altadt.com

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Alta Solutions Provider - Top 10 in Industry for MIL-STD-1553 and ARINC

This press release can be viewed online at: https://www.einpresswire.com/article/769759396