



NEWS RELEASE

FOR IMMEDIATE RELEASE

Contact: John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

Curtiss-Wright Expands Axon Product Family for FTI to Support Integration with Vast Family of DAS Solutions

New Axon ADAU integrates into systems with TTC nDAU, TTC MnACQ, and TTC MnHSD data acquisition units enabling creation of Total System Solutions that take advantage of next generation Data Acquisition platforms.

INTERNATIONAL TELEMETERING CONFERENCE (ITC), BALLY'S HOTEL & CONVENTION CENTER, LAS VEGAS, NEVADA. (Booth #2327) – OCTOBER 21-24, 2019 – Curtiss-Wright's Defense Solutions division today announced that its Aerospace Instrumentation (AI) group, a trusted leading supplier of [flight test instrumentation \(FTI\) system solutions](#), has expanded the capabilities of its [Axon product family](#) with the introduction of the new [Axon ADAU data acquisition](#) range, which is designed to integrate into systems alongside Curtiss-Wright's [TTC nDAU, TTC MnACQ, and TTC MnHSD data acquisition systems \(DAS\)](#). This enables FTI system designers for the first time to easily architect [data acquisition system \(DAS\)](#) solutions using the [TTCWare software suite](#). The Axon product family consists of [Axon AXN](#), optimized for use with Curtiss-Wright's [Acra KAM-500](#) family of network based DAUs and DAS Studio software and Axon ADAU, optimized for use with Curtiss-Wright's TTC families of networked based DAUs and TTCWare Software.

“Thanks to their high capabilities and low SWaP, our Axon product family DAUs have generated significant interest in the flight test instrumentation community,” said Lynn Bamford, Senior Vice President and General Manager, Curtiss-Wright Defense and Power. “The introduction of the new ADAU range to the Axon product line enables system designers to integrate Axon and TTC nDAU, TTC MnACQ, and TTC MnHSD ranges in a seamless manner to ease and speed the setup next generation of Data Acquisition systems.”

Customers with existing TTC nDAU, TTC MnACQ, or TTC MnHSD inventories can now fully leverage the advantages of Axon without losing their previous investment. System designers can also develop stand-alone Axon ADAU systems using the exact same TTCWare software they are familiar with from developing TTC nDAU, TTC MnACQ, and TTC MnHSD solutions.

Key Axon Product Family Features:

- Dual Gigabit Ethernet outputs offer industry leading throughput of up to 380Mbps
- In acquisition mode, Axon product family uses FPGA engines to minimize data loss, support deterministic operation and ensure rapid recovery in the case of a power brownout.
- The Axon product family features in-service firmware upgrading, continuous built-in temperature monitoring across all user modules
- The Axon product family seamlessly integrates with Curtiss-Wright FTI switches, recorders, telemetry, imaging and ground station product lines

Axon ADAUs

Curtiss-Wright offers equivalent ADAU and AXN products. While the Axon ADAU shares most of the same characteristics and features as Axon AXN, there are some distinctions, including:

- ADAU will feature the same silver color as TTC MnACQ, and TTC MnHSD products, to align with the current product offering
- ADAU will only be supported in TTCWare
- ADAU supports data streaming over Ethernet in DARv3, Chapter 10 UDP and TmNS
- ADAU will use part nomenclature similar to legacy TTC nDAU, TTC MnACQ, and TTC MnHSD products
- ADAU products will be production tested over the full temperature range

About the Axon Product Family

The Axon product family is the most advanced airborne data acquisition system available today, offering low SWaP with the best feature set, data acquisition and thermal performance on the market. The Axon product family builds on Curtiss-Wright's heritage as the leading supplier of rugged reliable data acquisition for aerospace applications.

Axon's future proof design, using a high-speed serial backplane (1 Gbps dedicated link per module) ensures future high data rates are supported. Its low SWaP design means it can be located in tight spaces and operates reliably without requiring bulky heatsinks. This design also allows any of the

Axon family user modules to be placed in ultra-miniature "Axonite" housings and located remotely, separated from the chassis by up to 10 meters. Locating data acquisition closer to the sensors can significantly decrease the installation time and cost of the instrumentation while simultaneously reducing wiring weight. Axonites can also offer significant system cost saving in larger installations by reducing the number of DAUs required in remote locations and thus cutting down on extra chassis, controller and power supply costs.

The Benefits of Complete DAU System Solutions

Axon systems are easy to integrate and expand. Multiple Axon modules can be integrated into a single Axon chassis. The Axon chassis, Axon user modules, and Axonite remote housing are designed to work with Curtiss-Wright's TTC nDAU, TTC MnACQ, TTC MnHSD and KAM-500 DAU family of products, including high-speed cameras, data recorders, and switches. Axon DAUs provide the most powerful and modern solution on the market by combining unprecedented flexibility with outstanding reliability for demanding applications. Axon modules and chassis, now available in 6, 9, and 16-slot configurations, enable FTI engineers to quickly configure and deploy the vast amounts of data acquisition required to support demanding flight test, missile test, and space developmental/operation flight instrumentation programs. Axon systems are ideal for use in flight test, system monitoring, power system upgrades, or life extension programs.

About the Curtiss-Wright Aerospace Instrumentation Group

In 2017, Curtiss-Wright integrated its Dublin (Ireland) business unit (formally Acra Control Ltd.) with its Newtown (Pennsylvania, USA) business unit (formally Teletronics Technology Corporation), to form the Aerospace Instrumentation group. This integration created the industry's broadest and most experienced single source for customers of commercial and defense aerospace instrumentation system solutions. With the merger of the two business units, Curtiss-Wright now supports more aerospace flight test customers, platforms, and programs than any other competitor around the world. What's more, with its increased resources and global reach, the company is able to significantly expand the availability of its unmatched quality and customer support, while bringing even larger system-level solutions to market.

Sales inquiries: Please forward all Sales and reader service inquiries to ds@curtisswright.com.

For more information about the Curtiss-Wrights Defense Solutions division, please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit www.curtisswright.com.

###

Note: All trademarks are property of their respective owners.