



## NEWS RELEASE

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### **Curtiss-Wright Adds New 3-Slot Ultra-Compact Chassis to Flight Test Data Acquisition Product Families**

#### ***NEW AXN/CHS/03U AND ADAU-2003-1 CHASSIS EASE PLACEMENT OF DATA ACQUISITION SYSTEMS IN SPACE CONSTRAINED LOCATIONS***

**EUROPEAN TEST AND TELEMETRY CONFERENCE (ettc2020) – JUNE 23, 2020** – 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 further expanded its [Axon™ product family](#) with the introduction of two new ultra-compact 3-slot chassis. The [AXN/CHS/03U chassis](#) is designed for use with Axon AXN data acquisition modules. Axon AXN modules are optimized for use with Curtiss-Wright's [Acra KAM-500® family of network based DAUs](#) and DAS Studio 3 software. The ADAU-2003-1 chassis is designed for use with Axon ADAU modules, which are optimized for use with the [TTC DAU](#), [MnACQ](#) and [MnHSD](#) families and configured with the TTCWare™ software suite.

These small chassis enable FTI engineers to easily architect high throughput data acquisition system (DAS) solutions that can be located much closer to the point of measurement, which keeps wire lengths to sensors and busses as short as possible to reduce signal interference and optimize measurement accuracy. They are ideal for use in locations on an aircraft where little free space is available (aircraft wings for example) but more data acquisition is required than can be supported using Curtiss-Wright's remote Axonite housing (a single module that can be located remotely from the main chassis).

“With the introduction of these two new 3-slot chassis we've further enhanced the flexibility that our Axon product family, the most modern and capable data acquisition range in the market, brings to

flight test programs,” said Lynn Bamford, President, Defense and Power. “Their ultra-compact form factor means flight test engineers can easily and rapidly add three data acquisition modules to space constrained locations, hitting the sweet spot between a 6-slot chassis and our remotely placed single module Axonite housings.”

The chassis support a wide range of operating inputs, advanced protection with fault monitoring, and glitch immunity and provide an isolated 50W power supply for controller and user-modules. For maximum flexibility, any user-module can be placed in any user-slot and in any combination. User-modules may also be remotely located via use of an Axonite housing that enables a single module to be located remotely from the main chassis. The AXN/CHS/03U and ADAU-2003-1 join the product families’ 6, 9 and 16 user slot chassis, to address application where FTI engineers seek to optimally balance channel count vs. chassis size.

The AXN/CHS/03U and ADAU-2003-1 chassis features include

- 50W power supply unit and 3 user-slots
- 18 to 68 VDC isolated power supply
- Rugged aluminum housing
- Supports remote Axonite™ mounting of user modules
- LED power and status indicator

### **About the Axon Product Family**

The Axon product family is the most advanced airborne data acquisition system available today, offering low size, weight and power (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**

Curtiss-Wright's Axon chassis, Axon user modules, and Axonite remote housing are designed to work with Curtiss-Wright's aerospace instrumentation products including TTC DAU, TTC MnACQ, TTC MnHSD, and KAM-500 DAU family of data acquisition systems, high-speed cameras, data recorders, switches and IADS display and analysis software. 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 3, 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. These systems are ideal for use in flight test, system monitoring, power system upgrades, or life extension programs. Sales inquiries: Please forward all Sales and reader service inquiries to [ds@curtisswright.com](mailto:ds@curtisswright.com).

For more information about the Curtiss-Wrights Defense Solutions division, please visit [www.curtisswrightds.com](http://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 is headquartered in Davidson, N.C. and employs approximately 9,100 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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