



## NEWS RELEASE

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FOR IMMEDIATE RELEASE

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### **Curtiss-Wright adds Serial Bus Parser/Packetizer Module for Industry Leading Axon™ DAU for Aerospace Instrumentation Applications**

*New AXN/UBM/401 serial bus parser/packetizer module brings 16 channels of RS-232, RS-422 or RS-485 to Axon DAUs*

**EUROPEAN TEST AND TELEMETRY CONFERENCE 2019 (ETTC 2019), TOULOUSE, France** (Booth #12-16) – **June 11, 2019** – Curtiss-Wright's Defense Solutions division today announced that its Aerospace Instrumentation (AI) business unit, a leading supplier of flight test instrumentation (FTI) system solutions, has introduced a new module that further expands the capabilities of its industry-leading [Axon™ data acquisition unit \(DAU\)](#). The [AXN/UBM/401 Serial Bus Parser/Packetizer Module](#) can monitor up to 16 RS-232/422/485 channels and is ideal for interfacing with serial data links. The high speed module supports data rates up to 10 Mbaud for asynchronous communication and can output data in multiple formats including iNET-X, IENA Q, IENA M, and Chapter 10.

#### **AXN/UBM/401 Performance Features**

- Monitors up to 16 RS-422/485/232 busses
- Coherently parses traffic and tags for up to 1,024 messages from 4 to 1,024 bytes
- Aperiodic transmission of packetized serial messages including tags as iNET-X, IENA Q, IENA M, and Chapter 10 parser-aligned payload structure
- Bit-rates from 300 bps to 10,000,000 bps
- 7/8 bits per word with odd, even or no parity
- Programmable start sequence (1 to 8 bytes), stop sequence (1 byte or by fixed length) and idle time

## **About the Axon DAU**

Curtiss-Wright's commercial-off-the-shelf (COTS) Axon DAU is one of the industry's fastest compact data acquisition systems (DAS). It combines unprecedented flexibility with outstanding reliability for demanding applications such as flight test, where it enables engineers to quickly develop, install and scale a highly reliable data collection solution for FTI that easily adapts to evolving requirements. With a 1 Gbps Ethernet link dedicated to each data acquisition module distributed on the test platform, Axon can currently deliver a throughput of 500 Mbps. It features novel integration features through the use of unique Axonite™ remote mountable modules (unmatched 10m link distance). It also supports iNET, Chap 10, iNET-X and IENA.

## **Live Technology Demonstrations**

In its booth at ETTC 2019 (Booth #12-16), Curtiss-Wright will host a live demonstration of the Axon system that will feature the AXN/UBM/401, as well as the recently announced AXN/ENC/401, an IRIG-106 PCM encoder module, and an AXN/TDC/401, a 15-channel thermocouple ADC module. The Axon live demo features an example of a fully integrated system with the latest technologies for FTI. Shown will be two Axon units, an Acra KAM-500 DAU and a 10 Gigabit Ethernet (GbE) ADSR data recorder connected via a high speed NSW-12GT 12 port switch.

## **Axon Quick Start Kit Option**

Curtiss-Wright also offers an Axon Quick Start Kit (QSK). The Axon QSK (AXN/QSK/001) enables FTI engineers to rapidly familiarize themselves with the DAU, as it includes everything needed in the supplied flight case. The QSK is also 100% usable in a full flight test campaign and can be augmented with more modules, Axon chassis, or other DAUs from Curtiss-Wright. The Axon QSK lets FTI engineers easily familiarize themselves with our innovative new Axon data acquisition platform. With its miniature size and unprecedented flexible installation options, Axon lets FTI engineers lower the weight of equipment and wiring, gather more data, and meet demanding time schedules while ensuring that none of their critical data is lost during flight test. Available at a one-time only introductory cost, the Axon QSK makes it easier for FTI engineers to discover for themselves why Axon represents the future of flight test, missile and aircraft monitoring applications.

## **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 family of products, including DAUs, 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 and performance 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.

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 employs approximately 9,000 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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