



NEWS RELEASE

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Curtiss-Wright Announces New Balanced “Side-by-Side” Packaging Option for Data Acquisition Systems for Flight Test Instrumentation

New TTC-MDW Family of Miniature Data Acquisition Units (DAU)

ASHBURN, Va. – May 4, 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 expanded its TTC DAU product line with the launch of a new family of miniature DAUs that provide system designers with a balanced, square form-factor alternative to linear tower-style DAU designs. The new TTC-MDW DAU family is optimally designed for those FTI applications, such as hypersonic ordnance and rotorcraft that require a more compact, balanced solution. The first member of the family, the [MDW-2020](#), is a miniature Double Wide Form Factor wideband data acquisition unit (DAU) designed to interface a variety of analog and digital sensors and encode those sources into a wideband PCM output data stream up to 20 Mbps. Measuring 5.5”W x 2.6”L x 3.8”H (140 x 66 x 97 mm) in an 8-module configuration, the MDW-2020 comes standard with a 50W power supply integrated into the base plate, and can support from one to 14 modules. Power supplies are available in configurations optimized to support a wide variety of module combinations.

The off-the-shelf data acquisition modules used in the TTC-MDW family provide commonality and backward compatibility with Curtiss-Wright TTC MnACQ modules, eliminating the customer’s learning curve and protecting their prior investment. The MDW-2020 is ideal for use in air vehicle test, certification or development, avionics DAU, and missile applications.

“The launch of our new TTC-MDW family of miniature data acquisition systems for flight test highlights Curtiss-Wright’s commitment to further our position as an FTI-solution industry leader,

continuing our innovation and investment to support emerging requirements for demanding applications such as hypersonic ordnance,” said Lynn Bamford, President, Defense and Power. “The MDW-2020, the first product in the new DAU family, leverages the flexibility of our off-the-shelf modular form factor. Our TTC and Acra DAU products, the industry’s largest catalog of data acquisition solutions for flight test and aerospace instrumentation applications, embrace the reusability of core technology to speed and ease the development of modified off-the-shelf solutions without the significant costs of more custom product ranges.”

About the MDW-2020

The MDW-2020 can be configured with a wide range of sensors and transducers and can operate in standalone PCM Systems and Ethernet networked systems, dependent on the overhead and interface modules selected. The DAU’s primary internal communication bus, the “R-Bus” (Remote Bus), is used to transfer power, control, configuration, and data among the modules.

MDW-2020 Performance Features:

- High speed Miniature Double Wide Data Acquisition Unit
- Bit rates up to 20 Mbps dependent on overhead
- Configurable using TTCWare™ software

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 is headquartered in Davidson, N.C. and employs approximately 9,100 people worldwide. For more information, visit www.curtisswright.com.

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