



NEWS RELEASE

FOR IMMEDIATE RELEASE

Curtiss-Wright Contact:
John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

Curtiss-Wright Introduces its Smallest, Fastest Flight Test Network Recorder

New nREC-700 miniature recorder captures 1TB of sensor data over dual Gigabit Ethernet ports

International Telemetry Conference (ITC), Bally's Hotel & Convention Center, Las Vegas, Nevada (Booth #913) – October 25, 2021 – Curtiss-Wright's Defense Solutions division, a leading supplier of flight test instrumentation (FTI) solutions engineered for success, has debuted its most compact, fastest standalone network recorder for flight test instrumentation (FTI) or monitoring applications. Designed for severely size, weight, and power (SWaP) constrained commercial and military airborne platforms, the new nREC-700 miniature data recorder has the capacity to store up to 1TB using new CFexpress media, and features dual GbE ports for acquisition of ethernet traffic. FTI network traffic from several types of data sources. It supports open standards-based cameras and data acquisition units (DAU), including Curtiss-Wright's extensive family of MnDAU, ADAU, Axon, and AIM products. The nREC-700's dual Gigabit Ethernet (GbE) ports can acquire multiple data types, including IRIG-106 Chapter 10/11, Chapters 21 – 26 (TmNS), DARv3, PCAP, or any other Ethernet protocols. Weighing only 1.5 lb and measuring 3.13" (L) x 2.63" (W) x 3.13" (H), this compact recorder can be configured as a standalone unit or installed as part of a DAU stack.

"FTI engineers want to capture as much data as they can, as fast as they can, but size and weight restrictions present limits to how large of an FTI data recorder they can deploy," said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. "Our new high-speed miniature nREC-700 recorder gives FTI system designers the flexibility they need to handle the fire hose of critical data coming from DAUs on space-constrained platforms."

About the nREC-700

The rugged nREC-700 records FTI data on a removable CompactFlash Express (CFexpress) media card rated for industrial operating temperatures (-40 to 85°C). Data can be downloaded in-situ using the recorder's GbE ports, or at the ground station using a download adaptor for the CFexpress card. With record rates typically exceeding 1GBps, the nREC-700 acquires data as Chapter 11, DARv3, or other formats native to input traffic. It supports the IEEE-1588 v1/v2 precision time protocol with an overhead module that also provides single-point programming at either of its two GbE ports via Curtiss-Wright's TTCWare set-up and configuration software or a web interface. Support for programming via a meta-data-language (MDL) will be announced soon.

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

To download [the nREC-700 product sheet, click here](#).

For more information about Curtiss-Wright's 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 8,200 people worldwide. For more information, visit www.curtisswright.com.

###

Note: All trademarks are property of their respective owners.