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NEWS RELEASE

Teletronics Technology Corporation Debuts its First 10 GbE Switch for Flight Test Instrumentation and High-Speed Sensor interface Applications

New rugged NSW-16GT-1 16-Port Gigabit Airborne Network Switch supports IEEE 1588 time distribution, expands TTC's portfolio of fully integrated FTI system solutions

ARMY AVIATION MISSION SOLUTIONS SUMMIT, NASHVILLE, Tenn. (Booth #349) **– April 26, 2017** – Curtiss-Wright's Defense Solutions division today announced that its Teletronics Technology Corporation (TTC) business has introduced a new Gigabit Ethernet (GbE) Airborne Network Switch designed for use in Flight Test Instrumentation (FTI) and High-Speed Sensor applications. The NSW-16GT-1 features 16 Ethernet ports, four of which provide 10GBASE-SR support and 12 of which offer 1000BASE-T. Airborne network switches must be configurable, able to distribute multicast data accurately between network nodes, occupy very little space, operate with limited or no external cooling, and be able to accommodate precise timing distribution. The **NSW-16GT-1**, TTC's first rugged 10 GbE Optical Switch, meets the demanding performance requirements of FTI applications, enabling test engineers to accurately capture and distribute all of their critical FTI data from the many sensors located on fixed-wing and rotorcraft platforms and ground-based instrumentation networks.

"Our new 10 GbE optical network switch will enable us to address demanding high-speed airborne sensor interface requirements emerging in the ISR and Radar markets," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "With this latest addition to our unmatched family of FTI solutions, Teletronics Technology Corporation strengthens its ongoing commitment enhance our customers' productivity with integrated system level solutions that reduce the complexity and risk of deploying networked instrumentation solutions for flight test."

Fully compatible with TTC's industry-leading system level FTI solutions (which integrate data acquisition units [DAUs], gateways, transceivers, recorders, cameras, managers, and switches) the rugged NSW-16GT-1 supports packet switching and provides the IEEE 1588 time distribution required by networked data acquisition components. The switch serves as the core of an FTI data acquisition network, and directs data packets to and from network nodes, such as the DAUs, flight recorders, and telemetry transceivers. Multiple NSW-16GT-1 switches can be linked together to expand the FTI network. The switch also delivers network time packets to all

of the data acquisition nodes that require time synchronization. Because the NSW-16GT supports either the IEEE 1588 2002 or 2008 protocol on a port by port basis, it can handle and distribute nanosecond resolution network time on all of its ports to any IEEE 1588 standard compliant device. Additionally, the NSW-16GT acts as a fully capable time bridge, allowing use of either GPS, IRIG AC or DC, PTP, or internal real-time clock as its input timing reference and supporting time synchronization across all other interfaces as outputs.

The NSW-16GT-1 speeds and eases the integration of high-speed bidirectional communication paths to FTI networks and delivers new levels of flexibility and functionality when instrumenting the test vehicle. It enables existing TTC customers to add 10 GbE capability to their Deployed Airborne network configurations in a fully compatible manner and provides new customers who require support for 10 GbE access to the reliability and flexibility of existing TTC solutions. Applications for the NSW-16GT-1 include FTI Networked Instrumentation, Networked High-Speed Sensors, and 10 GbE Data Acquisition and Recording.

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

For more information about Curtiss-Wright's Defense Solutions division, please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation
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