NEWS RELEASE

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Curtiss-Wright's Encryption-ready Network Attached Storage Device
Added to International Common Criteria Certified Products List

Rugged DTS1 NAS subsystem protects Top Secret data-at-rest with hardware and software full disk encryption (FDE) in a single device

PARIS AIR SHOW 2019, PARIS, France (Kallman U.S. Chalet #8) **– June 17, 2019 –** Curtiss-Wright's Defense Solutions division, a trusted leading supplier of rugged data storage and protection solutions, announced today that its **Data Transport System (DTS1) Network Attached Storage (NAS)** device, the embedded industry's first commercial off-the-shelf (COTS) data-at-rest (DAR) storage solution designed to support two layers of full disk encryption (FDE) in a single device, has been added to the International Common Criteria Certified Products List under Data Protection. Because the DTS1 has been evaluated against a common set of international standards, system designers in Common Criteria Recognition Agreement (CCRA) member countries can now confidently, without requiring further evaluation, select the DTS1 to greatly reduce the development time of their deployed encryption solution. CCRA is recognized by 30 countries in Europe, Middle East, North America, and Asia. The rugged small form-factor DTS1 NAS device is designed to store and protect large amounts of data on helicopters, fighters, unmanned aerial vehicles (UAV), unmanned underwater vehicles (UUV), unmanned ground vehicles (UGV), and Intelligence Surveillance Reconnaissance (ISR) aircraft that require the protection of sensitive DAR to international standards.

"We are very proud to announce that both of the encryption layers on our industry leading DTS1 Data Transport System Network Attached Storage solution have now been added as certified products on the international Common Criteria Certified Products List," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "This coveted certification

enables system designers around the world to protect their Top Secret data with a Common Criteria-certified network attached storage solution today, without further time, cost or evaluation."

The DTS1 was evaluated against two DAR collaborative Protection Profiles (cPP), which are consistent standards among the 30-member CCRA nations. This achievement provides high confidence in the security of the DTS1 product as a certified product. Common Criteria is a technically demanding international set of high and consistent standards for Information Technology (IT) products. Common Criteria certification provides assurance that the process of specification, implementation and evaluation of technology products has been conducted in a rigorous, standard, and repeatable manner and does not require further evaluation. Selecting a Common Criteria certified NAS device enables system architects to greatly reduce the time and cost needed to design a COTS encryption solution, enabling them to begin system development immediately, while also greatly reducing their program risk.

About the DTS1 2-Layer Encryption Approach
The DTS1 uniquely incorporates two distinct layers of AES256-bit encryption into one device, making protection of Top Secret data more cost effective and low risk. Both the hardware and software FDE layers have been individually evaluated and certified against two Common Criteria protection profiles: (1) collaborative Protection Profile for Full Disk Encryption – Encryption Engine; (2) collaborative Protection Profile for Full Disk Encryption – Authorization Acquisition.

About the DTS1
The very small DTS1 NAS device, which weighs only 3.77 lb. (1.71 kg) and measures only 1.5 x 5.0 x 6.5" (38.1 x 127 x 165.1 mm), delivers up to 4 TB of solid state storage (SSD) with two layers of certified encryption. It supports PXE protocol so that network clients on a vehicle or aircraft can quickly boot from the encrypted files on the DTS1's removable memory cartridge (RMC). This approach both facilitates software updates for network clients and significantly reduces SWaP by eliminating the need for individual hard disks in each network client. Curtiss-Wright offers 2-Layers of encryption in two mounting options of the DTS1, the VS-DTS1SL-FD, which is designed for cockpit use with DZUS mounting panel, and the VSDTS1SL-F, which uses L-brackets to support very flexible mounting within space-constrained platforms.

The DTS1 enables any network-enabled device to retrieve stored data or save new captured data. Networked devices using heterogeneous operating systems (Linux®, VxWorks®, Windows®, etc.)

that support industry standard NAS protocols (i.e., NFS, CIFS, FTP, or HTTP) can store data on and retrieve data from the DTS1. The DTS1 also supports iSCSI protocol for block data storage and PCAP protocol for Ethernet packet capture.

Complete Embedded System Solutions

The DTS1 is designed for rugged applications that require the storage, removal, and transport of critical data such as cockpit data (mission, map, maintenance), ISR (camera, I&Q, sensors), mobile applications (ground radar, ground mobile, airborne ISR pods), heavy industrial (steel, refinery), and video/audio data collection (flight test instrumentation). The device can be easily and quickly integrated into a complete rugged deployed system based on Curtiss-Wright's broad range of open architecture single board computers and DSP modules, as well as fully integrated mission computers, sensor management systems, and network switches.

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 employs approximately 9,000 people worldwide. For more information, visit www.curtisswright.com.

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