



NEWS RELEASE

Contact: Robert F Coveny
VP of Business Development
rcoveny@curtisswright.com

John Wranovics
Director of Communications
M: 925.640.6402
jwranovics@curtisswright.com

Rugged COTS Network Attached Storage Solution Achieves Placement on NSA CSfC Components List

Curtiss-Wright's turn-key data-at-rest storage solution speeds deployment of high capacity/high data rate CSfC full disk encryption

ASHBURN, Va. – August 28, 2024 – [Curtiss-Wright's Defense Solutions Division](#) announced that its [DTS1+ single-slot network attached storage \(NAS\)](#) device's hardware and software encryption layers have been approved for placement on the [National Security Agency \(NSA\) Commercial Solutions for Classified \(CSfC\) Components List](#). Earlier this year, the DTS1+ received Common Criteria (ISO-15408) certification from the National Information Assurance Partnership (NIAP), enabling the second-generation commercial off-the-shelf (COTS) data-at-rest (DAR) storage solution to be placed on the NIAP Product Compliant List. The compact DTS1+ NAS solution provides system designers with an ITAR-free solution for protecting sensitive data with two layers of CSfC Component listed software and hardware full disk encryption inside a single COTS device. The original DTS1 NAS device was the first Common Criteria-certified and NSA CSfC Component Listed NAS solution with two certified encryption layers in a single device. The DTS1+, with nearly double the Ethernet data rates (190MB/s write and 220MB/s read) of its predecessor, has been successfully used to support Top Secret / Sensitive Compartmented Information (TS/SCI) requirements. The DTS1+'s optimized size, weight and power make it a logical choice for use on autonomous platforms, whether deployed on land, air, sea or sub-surface.

“We are very proud to announce that our DTS1+ Data Transport System Network Attached Storage solution now appears on the NSA CSfC Components List for both hardware full drive encryption and software full drive encryption,” said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. “This milestone means that system designers now have access to an off-the-shelf solution for high-speed, high-capacity DAR storage and protection that reduces program risk, time and cost. Curtiss-Wright is committed to leading the industry in delivering rugged secure NAS COTS solutions that deliver two CSfC encryption layers in a single device.”

About the DTS1+

The DTS1+ provides system designers with a plug-and-play ready-to-use solution for storing and protecting DAR that reduces program risk, time and cost. It integrates the latest generation of hardware encryption devices and supports FIPS 140-2 Level encryption via 128-bit AES-XTS. The single-slot DTS1+ enables any network-enabled device to retrieve stored data or save newly captured data and supports the same external cables and Removable Memory Cartridges (RMC) used with the DTS1. Its large 8 TB per RMC storage capacity and size, weight and power (SWaP)-optimized design extend mission duration. The compact NAS device 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). Because the DTS1+ supports the PXE protocol, network clients can quickly boot from the encrypted files on the DTS1+’s RMC storage unit. This approach facilitates software updates for network clients and significantly reduces SWaP by eliminating the need for individual hard disks in each network client device.

Curtiss-Wright offers two mounting options, the VS-DTS1+SL-FD, which is designed for cockpit use with DZUS mounting panel, and the VS-DTS1+SL-F, which uses L-brackets to support very flexible mounting within space-constrained platforms.

The DTS1+ supports networked devices using heterogeneous operating systems (Linux®, VxWorks®, Windows®, etc.) that support industry-standard NAS protocols (i.e., NFS, CIFS, FTP, or HTTP). The DTS1+ also supports iSCSI protocol for block data storage and PCAP protocol for Ethernet packet capture.

About the NSA CSfC Program

CSfC, an NSA-approved approach for protecting classified National Security Systems (NSS) information in aerospace and defense applications, uses cost-effective commercial encryption technologies in a two-layered solution. The DTS1+ device provides two certified encryption layers in a single device. This approach delivers a complete, ready-to-use solution that results in less program risk, less time to implement and lower cost. The rugged, compact DTS1+ device is designed to store and protect large amounts of data on a wide range of deployed aerospace and defense platforms, including manned and unmanned vehicles, 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 in accordance with international standards.

[The DTS1+ product sheet is available for download here.](#)

For additional information about Curtiss-Wright Defense Solutions products, please visit www.curtisswrightds.com, LinkedIn, and X @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets. Headquartered in Davidson, North Carolina, the company leverages a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve.

Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships.

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