



NEWS RELEASE

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Rugged COTS Network Attached Storage Solution Receives Common Criteria Certification from NIAP

DTS1+ data-at-rest storage solution with two layers of full disk encryption in a single device receives Common Criteria certification and is listed on the National Information Assurance Partnership (NIAP) Product Compliant List.

ASHBURN, Va. – May 15, 2024 – [Curtiss-Wright's Defense Solutions Division](#) has successfully achieved Common Criteria (ISO-15408) certification from National Information Assurance Partnership (NIAP) for its DTS1+ single slot network attached storage (NAS) device's hardware and software encryption layers. The DTS1+, Curtiss-Wright's second-generation commercial off-the-shelf (COTS) data-at-rest (DAR) storage solution, supports two layers of full disk encryption (FDE) in a single device. The new certification enables the DTS1+ to be included on the NIAP Product Compliant List. Following this certification, Curtiss-Wright expects the DTS1+ to be approved in the near future for placement on the National Security Agency (NSA) Commercial Solutions for Classified (CSfC) Components List.

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 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. 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+ 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.

“We are very happy to have achieved the milestone of Common Criteria certification from NIAP for our second generation DTS1+ NAS device,” said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. “The DTS1+ takes NAS performance further, with faster Ethernet data transfer rates and enhanced hardware encryption.”

With nearly double the Ethernet data rates (190MB/s write and 220MB/s read) of its predecessor, the DTS1+ integrates the latest generation hardware encryption device, which supports FIPS 140-2 Level encryption via 128-bit AES-XTS. The single-slot DTS1+ also supports the same external cables and Removable Memory Cartridges (RMC) used with the DTS1, for storage up to 8 TB per RMC.

The very small DTS1+ 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). It supports PXE protocol so that 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 size, weight and power (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+ enables any network-enabled device to retrieve stored data or save newly captured data. It 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.

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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