



NEWS RELEASE

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Curtiss-Wright's Encrypted Network File Server Added to the NATO Information Assurance Product Catalogue (NIAPC)

RUGGED DTS1 PROTECTS NATO RESTRICTED DATA-AT-REST WITH HARDWARE AND SOFTWARE FULL DISK ENCRYPTION (FDE) IN A SINGLE DEVICE

AUSA 2019, Walter E. Washington Convention Center, Washington D.C. (Booth 2209) – October 14, 2019 – Curtiss-Wright's Defense Solutions division, a trusted leading supplier of encrypted rugged data storage solutions, announced today that its [Data Transport System \(DTS1\) Network Attached Storage \(NAS\)](#) device has been approved for listing in the NATO Information Assurance Product Catalogue (NIAPC). Because of its NIAPC listing, the DTS1 can be proposed for applications that require a NAS solution in NATO and national systems to protect NATO classified information. The DTS1 is 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. The DTS1 provides system designers with a proven non-ITAR COTS solution at a fraction of the cost required to develop a certified encryption solution. The rugged small form-factor 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 happy to announce the DTS1 is the first rugged network attached storage device with common criteria certified encryption to be listed in the NATO Information Assurance Product Catalogue," said Lynn Bamford, Senior Vice President and General Manager, Defense and Power. "This achievement will help lower the cost and speed the deployment of NATO systems for protecting classified data-at-rest."

About the DTS1 2-Layer Encryption Approach

The DTS1 uniquely incorporates two distinct layers of AES256-bit encryption into one device, making protection of classified data more cost effective and low risk. Both of the encryption layers on the DTS1 have been added as certified products on the international Common Criteria Certified Products List. These 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.

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. The device has two mounting options, the VS-DTS1SL-FD, which is designed for cockpit use with DZUS panel mounting, and the VSDTS1SL-F, which uses L-brackets to support very flexible mounting within space-constrained platforms.

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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