



NEWS RELEASE

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10 GbE COTS Network Attached Storage Solution Features First NVMe In-line Hardware Full Drive Encryptor Placed on NSA CSfC Components List

***HSR10 rugged secure NAS device stores up to 32 TB of mission critical data with
two layers of NSA CSfC Components Listed full drive encryption***

ASHBURN, Va. – May 22, 2025 – [Curtiss-Wright's Defense Solutions Division](#) today announced that the hardware and software encryption layers for data-at-rest (DAR) provided on its High-Speed Recorder 10 GbE (HSR10) network attached storage (NAS) device have been approved for placement on the National Security Agency (NSA) Commercial Solutions for Classified (CSfC) Components List. Earlier this year, the HSR10's encryption layers successfully completed Common Criteria certification and were added to the U.S. National Information Assurance Partnership (NIAP) Product Compliant List. The high-performance, high-capacity HSR10 NAS device uniquely features the industry's first NVMe in-line hardware full drive encryptor (FDE) enabled storage solution that supports two CSfC encryption layers inside a single device. These notable milestones provide system designers with a cost-effective and proven turnkey commercial off-the-shelf (COTS) solution for DAR storage and protection of Top Secret/Sensitive Compartmented Information (TS/SCI) that is ready for plug-and-play deployment. Also, because the HSR10 is ITAR-free, it is readily available for use by Five Eyes and NATO member countries.

“We are very proud to announce that another of our industry-leading rugged storage solutions has been successfully added to the NSA CSfC Components List for both hardware full drive encryption and software full drive encryption layers,” said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. “What’s more, the HSR10 features the industry’s first rugged, NVMe in-line hardware full drive encryptor to be placed on the NSA’s list. At Curtiss-Wright, we are committed to providing the broadest range of high capacity, high-speed encrypted storage solutions available on the market.”

The dual channel 10 GbE HSR10’s NVMe in-line hardware encryptor delivers higher throughput compared to SATA architecture alternatives, with support for near line-rate data throughput. To capture the high-speed sensor data on today’s deployed platforms, the HSR10 provides 1.97 MB/s write data throughput speed with two layers of encryption. For deployed platforms, larger storage capacity extends mission duration. Currently offered with up to 32 TB of removable data storage (support for 64 TB is expected in 2025), the HSR10 delivers superior storage capacity roadmaps that leverage higher density and cost advances derived from commercial NVMe memory technology. The HSR10 is ideal for storing and protecting critical DAR on deployed air, sea and ground platforms.

About NVMe Drive Technology and Encryption

The HSR10 uses the latest NVMe solid-state drive technology while providing two layers of FDE. The NVMe protocol can deliver transmission/storage performance improvement of nearly 50% over SATA-based solutions. NVMe-based memory reduces latency and increases bandwidth by eliminating storage interface bottlenecks, resulting in faster throughput that eliminates the loss of critical data.

The HSR10 product sheet is available for download [here](#).

For information about Curtiss-Wright Defense Solutions data storage products, please visit www.curtisswrightds.com and LinkedIn.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation 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 8,900 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. For more information, visit www.curtisswright.com.

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