



NEWS RELEASE

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Curtiss-Wright Announces New 10 GbE Network Attached Storage Solution that Boosts Performance with Industry's First NVMe-based In-line Hardware Encryptor

New variant of HSR10 rugged secure device stores up to 32 TB of mission critical data with two layers of NIAP Certifiable full disk encryption and CSfC Components List approval planned for 2024

ASHBURN, Va. – November 30, 2023 – Curtiss-Wright's Defense Solutions Division today introduced the newest member of its deployable data storage product family, a new variant of the [High-Speed Recorder 10 GbE \(HSR10\)](#) high-performance, high-capacity network attached storage (NAS) device that features the industry's first NVMe in-line hardware full disk encryptor. The HSR10's NVMe in-line hardware encryptor delivers higher throughput compared to SATA architecture alternatives, while providing a path to National Security Agency (NSA) [Commercial Solutions for Classified \(CSfC\)](#) Components List approval. Even better, because the HSR10's hardware encryption technology is NVMe-based, the unit provides near line-rate data throughput, which is significantly faster than SATA-based alternatives. Currently offered with up to 32 TB of removable data storage, the HSR10 also provides customers with greater storage capacity roadmaps that benefit from advances in commercial NVMe memory technology. The HSR10 is ideal for storing and protecting critical [data-at-rest \(DAR\)](#) on deployed air, sea and ground platforms.

“With the introduction of the new HSR10 network attached storage device, Curtiss-Wright continues its commitment to lead the industry in delivering rugged secure storage solutions for deployed data-at-rest,” said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. “The development of the NVMe in-line encryptor, the industry’s first, enables system integrators to take full advantage of the HSR10’s dual 10 Gigabit Ethernet interfaces, eliminating data bottlenecks on sensor-rich platforms while supporting two-layers of encryption to protect up to 32 Terabytes of critical data.”

Modern military intelligence, surveillance and reconnaissance (ISR) platforms generate large amounts of highly sensitive data that must be captured and securely stored without impacting performance. System designers must ensure that data capture systems can handle large amounts of data without interruption. The HSR10 provides two layers of full-disk encryption (FDE) in a single device, both of which are CSfC Certifiable and fully operational in a single unit, which reduces program risk, schedule and cost.

NVMe Drive Technology and Encryption

The HSR10 uses the latest 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.

For system designers that require NSA-approved encryption, the HSR10 will be submitted for National Information Assurance Partnership (NIAP) and Common Criteria Recognition Arrangement (CCRA) certification to achieve CSfC Components List approval.

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

For information about Curtiss-Wright Defense Solutions data storage 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. We leverage

a workforce of approximately 8,500 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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