



NEWS RELEASE

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Curtiss-Wright Doubles Capacity of Rugged 10 Gigabit Ethernet Network Attached Storage Solutions

The rugged HSR10 NAS system, with optional support for NSA CSfC encryption, now securely stores up to 32 TB of data

ASHBURN, Va. – September 24, 2024 – [Curtiss-Wright's Defense Solutions Division](#)

today announced that it has doubled the storage capacity of the Removable Memory Module (RMM) used in both the HSR10 and HSR10-CSfC commercial off the shelf (COTS)

10 Gigabit Ethernet (GbE) Network Attached Storage (NAS) solutions to 32 Terabytes (TB). The ITAR-free HSR10 and HSR10-CSfC are designed to store and protect critical data-at-rest (DAR) on air, sea, and ground platforms and meet the DAR storage needs of modern deployed C5ISR platforms that capture and process large amounts of sensor data for mission success. The size, weight and power (SWaP)-optimized rugged devices feature dual 10 GbE interfaces that support up to 1.97 GB/s of data throughput (write) and 2.35 GB/s (read) to provide the high bandwidth and storage capacities needed to support these critical applications. The increased storage capacity of the HSR10 NAS devices will enable extended mission duration while ensuring that no valuable data is lost due to limited storage capacity.

The HSR10-CSfC variant supports National Security Agency (NSA) Commercial Solutions for Classified (CSfC) encryption with two layers of encryption and protects up to 32 TB of data with a combination of software full disk encryption (SWFDE) and

hardware full disk encryption (HWFDE). Both the HSR10 and HSR10-CSfC support RAID 0, 1, 5, 6, 10 configurations and include a Trusted Platform Module (TPM).

“The HSR10 and HSR10-CSfC address the data capture challenge for modern ISR platforms with high-speed 10 GbE optical connections and now up to 32 TB of storage capacity to ensure uninterrupted data acquisition without compromising security,” said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. “With optional support for CSfC two-layer encryption, these turnkey NAS DAR solutions are ready for plug-and-play deployment, faster and more easily than Type 1 encryption-based alternatives.”

Both the HSR10 and HSR10-CSfC feature a PCI Express (PCIe) architecture and NVMe memory that connects directly to the system processor at flash memory speeds. The NVMe memory (~50% faster than SATA based memory) is housed in the rugged RMM to ease the secure transfer of data for post-mission analysis. The HSR10 and HSR10-CSfC are ideal for use in manned and unmanned deployed network-centric system applications.

The [HSR10 and HSR10-CSfC](#) 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.

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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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