NEWS RELEASE

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Curtiss-Wright Debuts Rackmount 100 GbE Secure Data-at-Rest Storage & Recording Solution with Deep Learning Support

New HSR100 Rackmount NAS offers high performance and secure data storage to support early-stage programs at the platform level

ASHBURN, Va. – July 16, 2024 – Curtiss-Wright's Defense Solutions Division has announced the newest member of its deployable data storage product family, the HSR100 Rackmount supports two 100 gigabit Ethernet (GbE) ports that provides secure data-at-rest (DAR) storage and recording unit. This high-capacity network attached storage (NAS) device is packaged in a 1U rackmount form factor. The HSR100 Rackmount supports both National Security Agency (NSA) Type 1 and Commercial Solutions for Classified (CSfC) two-level encryption. 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 HSR100 takes secure data storage to the next level with GPU technology that accelerates deep learning, graphics and video processing applications at the edge. It enables customers to better analyze and drive new insights from data collected by next generation ISR systems.

"We believe our new network-enabled HSR100 Rackmount NAS device provides the performance and security needed for programs exploring the capabilities of deep

learning computing," said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. "It uniquely supports two ports of 100 GbE data throughput with options for both CSfC and High Assurance Type 1 encryption. It ensures data security and availability from mission planning to post-mission data analysis and, available with a fast eight-week turnaround, the HSR100 speeds the delivery of an industry-leading secure data storage and recording solution, for system development in a lab or data center or for airborne, ground or naval deployment."

The HSR100's advanced encryption technology provides near line-rate recording capabilities supported with over 60TB of high-speed NVME storage. The advanced data storage system provides dual 100 GbE ports via QSFP56 interfaces and four 10 GbE ports via its RJ45 and SFP+ interfaces. It is ideal for storing and protecting critical DAR on deployed air, sea and ground platforms.

The HSR100 can host map data for mission planning and protect operational software and enables the sharing of software in several ways, including network booting and container orchestration. During missions, the HSR100 functions as a secure, network-enabled data repository. Using open standard Ethernet protocols, it seamlessly captures mission log data, sensor data, and flight test data on the platform. Post-mission, data can be easily transferred from the HSR100 server to another network or server.

The [HSR100 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 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

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