

Curtiss-Wright Controls Debuts 10 Gigabit Ethernet Data Recorder

New Vortex SDR1X Single-Channel 10GbE Data Recorder Captures 800MB/s Data Streams

DAYTON, OH – September 15, 2009 -- Curtiss-Wright Controls Electronic Systems, a leading designer and manufacturer of rugged deployed subsystems for the aerospace and defense market, has introduced the new **Vortex SDR1X**, a fixed-featured off-the-shelf 10 gigabit Ethernet (10GbE) streaming data recorder system for demanding sensor-to-processor streaming data applications. The Vortex SDR1X combines a uniquely equipped 3U controller with a reliable, scalable storage subsystem. This rack mountable data recorder can record a 10GbE data signal at rates up to 800MB/s. The Vortex SDR1X speeds the integration of high-speed data recording and data logging capabilities into subsystems designed for instrumentation recording, mission recording, and SIGINT/ELINT recording applications.

“The Vortex SDR1X delivers 10GbE data recording and highly scalable storage,” said David Dietz, vice president and general manager of Curtiss-Wright Controls Electronic Systems. “With our proven design and advanced Vortex technology and simple yet powerful GUI, system integrators reduce their risk and cut their time-to-market.

The newest member of Curtiss-Wright Controls’ comprehensive Vortex family of data recorders, the Vortex SDR1X enables high-volume, continuous streaming recording of 10 GbE data. Other Vortex SDR products support the recording of Gigabit Ethernet (GbE) and Serial FPDP (sFPDP) protocols at line rates, without interruption, from sensors such as radar, sonar, FLIR, RF tuners, MRI, and cameras. Its flexible storage design enables system integrators to add one or more Vortex SBOD or RAID storage systems as needed for their application’s required recording duration. A wide range of Vortex storage options include a 3U SBOD with 16 Fibre Channel (FC) disks, the compact 2U RAID that houses 12 SATA or SAS disks, and the 4U RAID that supports up to 48 SATA or SAS disks. For extreme applications requiring very rugged storage, the Vortex SANbric system supports rotating FC disks.

Unique Storage Control and Retrieval Access: Simple Interface

The Vortex SDR1X supports the special data storage methods required by streaming 10GbE-based sensor-to-processor applications. Captured 10GbE data is striped across multiple FC disks in an SBOD to ensure uninterrupted recording. Because Vortex storage technology bypasses the file system it provides total control over data storage and enables high-speed data access via FC from other computers using heterogeneous operating systems.

To simplify control of the Vortex SDR1X recorder, Curtiss-Wright Controls provides the Vortex Graphical User Interface (GUI). This intuitive GUI is fast to learn and easy to setup. After selecting a few parameters, a record or playback session is initiated by simply pressing the corresponding button.

Accurate Time-Stamp For Playback of Critical Data

Vortex data recorders feature the unique RapidReplay™ hardware system that enables the SDR1X to capture and time-stamp incoming individual 10GbE data frames at 800MB/s prior to

storage. This extremely accurate time-stamping enables precise data playback, via the 10GbE channel, needed for detailed post analysis.

Time-stamped data is transferred via Fibre Channel (FC) to an external Vortex 3U SBOD (or RAID). With sixteen 450GB FC disks, a single SBOD provides 7.2TB of storage. With one channel of 800GB/s 10GbE data, the Vortex SDR1X can support nearly 2.5 hours of recording time. To increase record time only requires the addition of another SBOD. Highly reliable enterprise class, FC disks are designed for 24/7 service with MTBF of >1,600,000 hours.

Vortex SDR1X Features:

- 1 channel of 10GbE data recorded
- 800MB/s of input data recording
- UDP or TCP protocols recorded
- Optical input standard via SFP+ transceiver with LC connector
- Scalable storage with SBOD or JBOD
- 1 channel of 10GbE data playback
- Data retrieval via out-of-band Ethernet control port (standard)
- Vortex SAN Access Kit for data retrieval via Fibre Channel (optional kit)
- Graphical User Interface (GUI)
- Timestamp of each data frame

For pricing for the Vortex SDR1X please contact the factory. Availability is Q3 2009

For editorial information regarding Curtiss-Wright Controls Electronic Systems products or services, contact John Wranovics, public relations director, Curtiss-Wright Controls Embedded Computing, Tel: (925) 640-6402; email. jwranovics@curtisswright.com.

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About Curtiss-Wright Controls Electronic Systems

Curtiss-Wright Controls Electronic Systems is one of the industry's most comprehensive and experienced single sources for rugged, integrated solutions that are qualified for military platforms. Our product and service expertise includes Motion Control, Network Centric Computing, Rate Sensor Assemblies, Vehicle Management Computers, High-Speed Recording & Storage, and Electronic Manufacturing Services. The Electronic Systems group serves the defense, aerospace, commercial and industrial markets and is part of Curtiss-Wright Controls Inc. For more information about Curtiss-Wright Controls Electronic Systems, visit www.cwcelectronicssystem.com.

About Curtiss-Wright Controls, Inc.

Headquartered in Charlotte, N.C., Curtiss-Wright Controls is the motion control segment of Curtiss-Wright Corporation (NYSE: CW). With manufacturing facilities around the world, Curtiss-Wright Controls is a leading technology-based organization providing niche motion control products, subsystems and services internationally for the aerospace and defense markets. For more information, visit www.cwcontrols.com.

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