

Curtiss-Wright Controls Debuts Multi-Channel Gigabit Ethernet Data Recorder

New Vortex SDRxE Scalable GbE Data Recorder Supports 500MB/s of Streaming Data

DAYTON, OH – October 30, 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 SDRxE, a fixed-featured off-the-shelf multi-channel Gigabit Ethernet (GbE) streaming data recorder system for demanding sensor-to-processor streaming data applications. The Vortex SDRxE combines a uniquely equipped 3U controller with a reliable, scalable storage subsystem. This rack mountable data recorder can record up to four channels of GbE data at 125MB/s per channel. The Vortex SDRxE 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 SDRxE delivers up to 4 channels of simultaneous GbE data recording and 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 SDRxE enables high-volume, continuous streaming recording of GbE data. Other Vortex SDR products support the recording of 10 Gigabit Ethernet (10GbE) 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 rugged storage, the Vortex SANbric system supports rotating FC disks.

Unique Storage Control and Retrieval Access: Simple Interface

The Vortex SDRxE supports the special data storage methods required by streaming GbE-based sensor-to-processor applications. Captured GbE data is striped across multiple FC disks in an SBOD to ensure uninterrupted recording. Because Vortex storage technology by-passes 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 SDRxE 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 SDRxE to capture and time-stamp incoming individual GbE data frames at full GbE line rates prior to storage. This extremely accurate time-stamping enables the precise data playback, via the GbE channels, 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 four channels of 125GB/s GbE data, the Vortex SDRxE can support nearly 4 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 SDRxE Features:

- 4 channels of GbE data recorded
- 500MB/s of input data recording (4 channels x 125MB/s)
- UDP or TCP protocols recorded
- Optical input standard via SFP transceivers with LC connectors
- Scalable storage with SBOD or JBOD
- 4 channels of GbE 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

Contact factory for pricing of 1, 2, 3, or 4-channel GbE Vortex SDRxE data recorders. Availability is 3Q 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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