
Curtiss-Wright Controls Debuts 4-Channel Serial FPDP Streaming Data Recorder

New Vortex SDRxL Quad Channel Scalable Data Recorder Supports 960MB/s Data Streams

DAYTON, OH – November 17, 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 SDRxL**, a fully-featured off-the-shelf four (4) channel Serial FPDP (sFPDP) data recorder system for demanding sensor-to-processor streaming data applications. The Vortex SDRxL combines a uniquely equipped 3U rackmount controller with a reliable, scalable storage subsystem. This data logger can record and store up to four channels of sFPDP data at rates up to 960MB/s. The Vortex SDRxL speeds the integration of high-speed data recording capabilities into subsystems designed for instrumentation recording, mission recording, and SIGINT/ELINT recording and storage applications.

“The Vortex SDRxL delivers up to 4 channels of simultaneous (sFPDP) data recording and storage,” said David Dietz, vice president and general manager of Curtiss-Wright Controls Electronic Systems. “Our Vortex data recorder’s proven design and advanced technology, combines with a simple yet powerful GUI, enabling system integrators to reduce their risk and cut their time-to-market.”

The Vortex SDRxL is the newest member of Curtiss-Wright Controls’ comprehensive family of Vortex SDR fixed-feature data recorders, designed to enable high-volume, continuous streaming data recording. Vortex SDR recorders support the recording of GbE, 10GbE, and now sFPDP protocols, at line rates without interruption from sensors such as radar, sonar, FLIR, RF tuners, MRI, and cameras. The Vortex SDRxL’s flexible design enables system integrators to add one or more Vortex SBOD or RAID storage systems, as needed, to configure the data recorder for their application’s required recording duration. Compatible Curtiss-Wright Controls storage systems include the compact Vortex 2U RAID that houses 12 SATA or SAS disks, and the Vortex 4U RAID that supports up to 48 SATA disks. For applications requiring rugged storage, the Vortex SANbric system supports rotating Fibre Channel (FC) disks.

Unique Storage Control and Retrieval Access: Simple Interface

The Vortex SDRxL supports the special data storage methods required by streaming sFPDP-based sensor-to-processor applications. Captured sFPDP data is striped across multiple FC disks in an SBOD to ensure uninterrupted recording. Because the Vortex SDR 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 SDRxL 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 a button.

Accurate Time-Stamp For Playback of Critical Data

Vortex SDRxL data recorders include the unique RapidReplay™ hardware system that captures and time-stamps every incoming sFPDP data frame prior to storage. This extreme resolution time-stamping enables the accurate playback of sFPDP data needed for DSP algorithm development.

With four channels of 240GB/s sFPDP data, the Vortex SDRxL, combined with one Vortex SBOD, can support nearly 4 hours of recording time. To increase the available recording time only requires the simple addition of more external Vortex 3U SBOD units. Time-stamped data is transferred via FC to the SBOD. Configured with sixteen 450GB FC disks, a single SBOD provides up to 7.2TB of storage. The highly reliable FC disks are designed for 24/7 service with MTBF of >1,600,000 hours.

Vortex SDRxL Features:

- 4 channels of sFPDP data recorded
- 960MB/s of input data recording (4 channels x 240MB/s)
- 1Gb/s and 2.5Gb/s sFPDP rates can be recorded
- Optical input standard via SFP transceivers with LC connectors
- Scalable storage with external SBOD or JBOD
- 4 channels of sFPDP data playback
- Data retrieval via out-of-band Ethernet control port (standard)
- Vortex SAN Access Kit for high-speed data retrieval via Fibre Channel (optional kit)
- Graphical User Interface (GUI)
- Timestamp of each sFPDP data frame

For pricing 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.cwelectronicssystem.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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