CURTISS WRIGHT Controls Embedded Computing

MEDIA RELEASE

Curtiss-Wright's New Scalable, Multi-Channel Serial FPDP-based Streaming Data Recorder Captures, Stores, and Retrieves Data at 245MB/s per Channel

LEESBURG, VA – January 15, 2007, -- Curtiss-Wright Controls Embedded Computing's Dayton Group has announced the availability of the **SDRxR**, a new Serial FPDP (SFPDP)-based streaming data recorder. The SDRxR is a high-performance record and playback data recorder system designed for demanding sensor-to-processor streaming data applications. This turn-key system, consisting of a single 3U rack mounted chassis containing the controller, the interface boards, and the hard disk drives for two channels, delivers multi-channel recording of high volume, continuous data streams at rates up to 245MB/s per channel for intensive data applications such as radar, sonar, FLIR, RF tuners, and MRI. This scalable COTS-based data recorder simplifies and lowers the cost of accurate high volume data recording.

The SDRxR, the latest addition to Curtiss-Wright's innovative SDRxL family of streaming data recorders, represents a breakthrough in easing the high-speed capture and retrieval of large quantities of data. Each SDRxR system comes standard with twelve 300Gbyte Fibre Channel (FC) hard drives that provide up to 3.6 Terabytes of disk storage that support up to 4 hours of recording time per 245MB/s SFPDP channel. The SDRxR's storage capacity is scalable to virtually any size required. It supports 1, 2 or multiple SFPDP channels through the interconnection of multiple 3U controller units which can be operated as a single system.

"Curtiss-Wright's SDRxR streaming data recorder raises the bar for cost-effective, high performance streaming data storage," said Gorky Chin, Vice President and General Manager of Curtiss-Wright Controls Embedded Computing's Dayton group. "As the inventor of SFPDP, the Dayton group is the market's leading expert in bringing high speed, scalable data capture to the COTS market. The proliferation of sensor data across application types demands an affordable, scalable approach for accurate capture, archival and retrieving of mass amounts of streaming data. The SDRxR simplifies this increasingly urgent task."

SDRxR Performance Features

- Serial FPDP ANSI/Vita 17.1 input (standard)
- Other inputs available—analog, video, etc.
- Up to 2 channels recorded simultaneously in a single unit
- 245MB/s of total input data recording per channel
- Scalable Fibre Channel (FC) storage
- Data Playback via Serial FPDP
- Data Retrieval via Ethernet
- Data Retrieval via Fibre Channel
- RapidReplay™ operator control suite
    - Application Program Interface (API)
    - Command Line Interface (CLI)
    - Graphical User Interface (GUI)
- Timestamp data for accurate playback and retrieval

Streaming Data Recording

A single SDRxR controller records 1 or 2 channels of streaming SFPDP data at rates up to 245MB/s per channel. Recording time is approximately 4 hours per channel when the system is configured with twelve 300GB drives. The SDRxR uses a unique method of striping

multi-channel, high volume data across multiple FC disks to enable uninterrupted recording. The SDRxR bypasses the host processor's file system to provide total control over data storage.

Archived Data Retrieval
Because file system attributes are not embedded with the streaming data, users can access the data at FC rates from heterogeneous PCs. Archived data can also be retrieved via the SDRxR's Gigabit Ethernet port at rates up to 1.25 Gb/s.

RapidReplay™ for Data Playback
The SDRxR's RapidReplay™ Operator Control GUI provides a simple to learn and use VCR-style control interface. The GUI runs on a customer provided Windows XP/2000-based PC.

Software Support
The SDRxR provides an API for use with embedded systems. The API runs on Windows XP/2000 and Linux operating environments. A Command Line Interface (CLI) is also provided with the standard system. The CLI can be used from a "terminal" application to directly control record and playback functions. CLI commands may also be embedded in a user script file using PERL, TCL, or other scripting languages.

SDRxR System Overview

- 3U (5.25"H) 19" rackmount chassis with disk drive bays in front.
- Curtiss-Wright FX400 Dual Channel Fibre Channel PCI boards, 2Gb/s FC operation, 850nm LC SFPs.
- Curtiss-Wright SL240 Serial FPDP PMC boards, bi-directional, 2.5Gb/s link operation, 850nm LC SFPs.
- Twelve 300GB, 4Gb/s Fibre Channel disk drives.

The SDRxR is designed for use in semi-rugged environments.

The SDRxR is available off-the-shelf. For pricing information, please contact the factory at (937) 252-5601 x1240.

For editorial information regarding Curtiss-Wright Data Communications products or services, contact John Wranovics, Public Relations Director, Curtiss-Wright, Tel: (925) 640-6402; email: jwranovics@curtisswright.com.Web site: www.cwcembedded.com.

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About Curtiss-Wright Controls Embedded Computing
Curtiss-Wright Controls Embedded Computing is the industry's most comprehensive and experienced single source for embedded solutions, ranging from Processing, Subsystems, Data Communication, DSP, and Video & Graphics to the most advanced board level components and fully integrated custom systems. The Embedded Computing group serves the defense, aerospace, commercial and industrial markets and is part of Curtiss-Wright Controls Inc. For more information about Curtiss-Wright visit www.cwcembedded.com.

About Curtiss-Wright Controls, Inc.
Headquartered in Charlotte, North Carolina, 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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