

Curtiss-Wright Debuts New Rugged Solid State Drive XMC/PMC Card

NAND Flash Solid State Drive Provides Up to 32 Gbytes of disk space

LEESBURG, VA – November 5, 2008 -- Curtiss-Wright Controls Embedded Computing, a leading supplier of rugged embedded boards and subsystems for the rugged deployed Aerospace and Defense market, has announced the **XMC/PMC-550** a new high performance, rugged solid state drive card. The XMC/PMC-550 is offered in both XMC and PMC form factor versions and is ideal for use in legacy and latest rugged deployed applications. The XMC/PMC-550's standard Serial ATA interface enables it to be easily supported and integrated into VME VPX, and CompactPCI systems. Its rugged small form-factor packaging makes it ideal for space constrained deployed applications and technology refresh opportunities. It speeds the integration of large quantities of media storage in harsh environments where operation while subjected to shock and vibration are critical.

"The XMC/PMC-550 is a high performance, power efficient solid state drive solution ideally suited for the rugged aerospace and defense applications," said Lynn Patterson, vice president and general manager of Modular Solutions, Curtiss-Wright Controls Embedded Computing. "The XMC/PMC-550 provides a great combination of performance, interoperability and reliability that hits the sweet spot of our customers' solid state drive requirements."

The XMC/PMC-550 NAND Flash solid state drive provides up to 32 Gbytes of disk space in an XMC (VITA 42.3) or PMC (IEEE1386.1) form factor. It is available in configurations of 8, 16, or 32 Gbytes, and is visible to the system as two independent SATA drives. Using multi-tasking technology, the XMC/PMC-550 delivers data transfer rates of up to 30 Mbytes/sec for simultaneous read to each drive. The XMC/PMC-550 also comes with RAID 0 support that stripes data across the two independent SATA drives for maximum performance. With RAID 0, the 550 can achieve read transfer rates of up to 50MB/s.

The card supports industry standard ECC NAND Flash correction. Error correction codes can correct up to 8 random single-bit error per 512-byte sector. It also supports wear leveling that spreads program/erase cycles evenly across the media to mitigate premature device failure due to frequent erase cycles on the same block of Flash memory. The XMC/PMC-550 can also support hardware write protect as an enhanced level of security to prevent unintentional data overwrite.

XMC/PMC-550 Features:

- XMC or PMC NAND Flash storage device
- XMC - x1 lane PCIe
- PMC - 32-bit, 33/66 MHz
- Large capacity: 8, 16, or 32 Gbytes
- High Performance – up to 30 MB/s for raw read and write access; up to 40 MB/s with software RAID support
- Hardware Write Protect
- ECC NAND Flash correction, up to 8 random-bit error correction
- Industry standard page management for wear leveling algorithm, and bad block handling
- VxWorks®, GPPLE Linux
- Available in various Air cooled and Conduction Cooled ruggedization levels
- Power Consumption: <2.5 W Standby, <6 W Max

Software Support

The XMC/PMC-550 is interoperable with most host and carrier cards that feature support for XMC or PMC cards for popular operating systems, including VxWorks, and GPPLE Linux.

The XMC/PMC-550 is the latest addition to Curtiss-Wright's broad family of rugged embedded boards. It adds high performance solid state drive storage to XMC and PMC-site supported platforms such as the new VPX-based VPX6-185 SBC and CHAMP-AV6 DSP engine. It also complements Curtiss-Wright's wide range of SBCs, DSPs, Graphics and Communications and IO products. For more information about Curtiss-Wright networking solutions please visit www.cwcembedded.com.

Pricing for the XMC/PMC-550 starts at \$2,495 USD. Availability for the XMC-550 is off-the-shelf beginning in November, 2008, with the PMC-550 available beginning in December, 2008. Both air-cooled and conduction-cooled versions, according to CWCEC ruggedization guidelines, are available.

Editorial inquiries: For editorial information regarding Curtiss-Wright Controls Embedded Computing Multi Computing products or services, contact John Wranovics, public relations director, Curtiss-Wright Controls Embedded Computing, 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 Controls Embedded Computing 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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