

NEWS RELEASE



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Curtiss-Wright Debuts New Rugged High-Speed, Quad Channel 16-Bit Digital Receiver Mezzanine Card for Radar, SDR and SIGINT Applications

New XMC/PMC-E2202 Card Features Dual Xilinx Virtex-5 FPGAs; Supports 160 MSPS Analog Sampling per each of 4 Channels

LEESBURG, VA –Curtiss-Wright Controls Embedded Computing, a leading designer and manufacturer of rugged deployed commercial off-the-shelf (COTS) VME, VPX and CompactPCI products for the Aerospace and Defense market, has announced the availability of the XMC/PMC-E2202, a rugged and compact high-speed, quad channel 16-bit digital receiver XMC/PMC mezzanine card. The latest member of Curtiss-Wright's XMC/PMC-E220x family of digital receiver mezzanine cards, the XMC/PMC-E2202 supports analog sampling rates of 160 MspS and speeds the integration of high performance signal acquisition into rugged deployed COTS VPX, VME and CompactPCI subsystems. Designed for demanding signal acquisition applications, the card is ideal for use in radar, software defined radio (SDR), and signal intelligence (SIGINT) platforms.

“The XMC/PMC-E2202 joins the recently released dual channel XMC/PMC-E2201 to expand Curtiss-Wright's position as a leading supplier of DSP and FPGA-based advanced signal acquisition technology,” said Lynn Patterson, Vice President and General Manager of Curtiss Wright's Modular Solutions group. “This innovative high performance, quad channel mezzanine card is a powerful addition to our CHAMP and SBC family of VME and VPX signal processing engines.”

Based on twin Xilinx Virtex-5 FPGAs, the XMC/PMC-E2202 combines input bandwidth in excess of 700 MHz, industry leading signal-to-noise ratio rated at >77 db, and high spectral purity. This small form factor mezzanine card delivers high dynamic range for sophisticated digital signal processing. Its twin FPGA architecture dedicates one “DSP” Virtex-5 FPGA for high-speed acquisition of the dual analog channel inputs. Memory support provided by this FPGA includes 16 MB of ZBT RAM. The card's second “Command & Control” FPGA provides high-speed I/O, including 64-bit/133 MHz PCI-X. An eight-lane PCI Express (PCIe)

interconnect provides direct high-speed off-board data throughput rates up to 2 GB/sec. In addition, the XMC/PMC-E2202 will offer a high-density Rocket I/O over the card's J6 connector for direct high-speed FPGA to FPGA communications with the basecard.

In the future, Curtiss-Wright plans to upgrade the XMC/PMC-E2202 to support faster 180 Msps devices when they become available in the second half of 2008.

XMC-E2202 Performance Features

• Analog Inputs

- o Quad synchronous channels
- o 16-bit resolution
- o Sample rates up to 160 Msps (180 Msps devices supported when they become available)
- o >700MHz input bandwidth (both channels)
- o > 77 dB SNR
- o > 76 dB SINAD
- o Up to 100 dBc SFDR (88 dB typ.)
- o 50Ω Input Impedance
- o SMC Input Connectors

• Clock Input

- o ±1V AC Coupled
- o 1 – 160MHz Range
- o 0V Threshold
- o 50Ω Impedance
- o SMC Connector

• Digital Sub-system

- o 133 MHz/64-bit PCI-X PMC variant
- o 4- or 8-lane PCI Express XMC variant
- o Xilinx Virtex-5 SXT User FPGA
- o 16 MB ZBT RAM

XMC-E2202 Software Support

To ease the integration and development of signal acquisition applications, the XMC-E2202 is supported with a Firmware Development Kit (FDK) that includes VHDL modules for interfacing the card's ADCs, DDC, control FPGA and local bus to the user FPGA.

Additional software support includes device drivers are available for VxWorks® and Linux operating environments.

Ruggedization Levels

The XMC-E2202 is designed to operate in rugged environments and is available in a range of air- and conduction-cooled formats.

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Pricing for the XMC-E2202 starts at \$13,950. Availability is Q3 '08.

Sales inquiries: Please forward all Sales and reader service inquiries to Jerri-Lynne Charbonneau, Curtiss-Wright Controls Embedded Computing, Tel: (613) 254-5112; Fax: (613) 599-7777; e-mail: sales@cwembedded.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.cwembedded.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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