

For Immediate Release



Mistral announces FPGA-based XMC card from Curtiss Wright for high-performance signal and image processing applications

Bangalore, Oct 26, 2007 – Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, today announced the availability of the XMC-442, the first Xilinx Virtex-5 FPGA-based XMC module (VITA 42) compute engine from Curtiss Wright, a leading designer and manufacturer of rugged deployed commercial off-the-shelf (COTS) VME and VPX products. The XMC-442 is designed for demanding, high-performance signal and image processing applications including radar, sonar, and signal intelligence. It features the Virtex-5 SXT, the largest, highest-performance DSP-focused FPGA available from Xilinx.

The XMC-442 provides systems integrators with a powerful FPGA-based computing engine for I/O or sensor processing or algorithm acceleration. Combining the state-of-the-art Virtex-5 SXT processor from Xilinx with a rich array of memory and I/O, the XMC-442 offers designers a powerful, easy-to-use module for a wide range of applications in both benign and rugged environments. It significantly speeds the integration of high-performance FPGA-based custom calculation blocks onto embedded platforms that feature on-board XMC sites and enable system designers to get custom FPGA-based applications out to market faster.

Curtiss-Wright's Continuum FXtools developer's kit provides the XMC-442 with a comprehensive software and IP development suite. This advanced FPGA toolkit provides the software and IP blocks necessary to quickly develop a custom FPGA design and to deploy it on a range of Curtiss-Wright Continuum Software Architecture-compatible base cards. The Continuum FXtools software includes FPGA-specific function libraries for FPGA configuration, DMA control, and other XMC-442-specific utility functions (including temperature and power sensors, command bus mappings, and diagnostics, etc.). In addition, Curtiss-Wright's Continuum IPC communications middleware package has been extended to directly support transfers between the XMC-442's FPGA and other FPGAs or processor nodes within the system.

The XMC-442 is designed to operate in rugged environments and is available in both air- and conduction-cooled formats. Innovative cooling techniques are employed to handle high performance FPGA implementations. This XMC daughtercard is optimized for deployment on a Curtiss-Wright CHAMP-FX2 FPGA VPX engine, but may also be used on a CHAMP-AV6, SVME-184, or VPX6-185 single-board computers.

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 Mistral Solutions

Mistral is an ISO 9001:2000 certified and CMMi Level 3 appraised premier product realization company providing end-to-end services for product design and development in the embedded space. Mistral offers expert design and development services covering hardware and software, customizable product designs and IP's, System Integration and COTS Solutions that improve quality and accelerate time-to-market for a broad range of embedded systems.

Mistral has forged successful partnerships with leading providers of embedded solutions, which has enabled us to provide our clients with the finest technology solutions based on the world's best platforms. Mistral's partners include among others Wind River Systems and Curtiss-Wright Controls (CWC) Embedded Computing Organization making available RTOS, IDE tools and commercial & rugged grade COTS computing solutions for commercial, military, aerospace, and avionics markets.

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