

**For Immediate Release**



## **Mistral announces availability of New Rugged Low-Power Quad-Core VME DSP Engine from Curtiss-Wright**

**Bangalore, January 24, 2008** – Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, today announced the availability of the first P.A. Semi -1682 Power Architecture -based DSP VME compute engine from Curtiss-Wright Controls Embedded Computing.

The CHAMP-AV5 quad core multi-processing board brings the highest performance Power Architecture processor to the VME64x form factor standard. It provides 64 GFLOPs of processing and FPGA-based algorithm acceleration for signal processing applications. Based on a pair of 2GHz dual-core 1682 processors from P.A. Semi, the CHAMP-AV5 doubles the performance of the previous generation. With over 50% greater performance per watt than previous generation 7448 designs, the CHAMP-AV5 will enable systems integrators to upgrade existing systems without the typical concern of increased power consumption. The CHAMP-AV5 is pin-compatible with the 7447/7448-based CHAMP-AV4 allowing for performance upgrades without changing chassis, backplane, power supplies of existing qualified systems.

The CHAMP-AV5 provides high memory and inter-processor bandwidth to complement the processors, each is equipped with two banks of DDR2 SDRAM with a peak bandwidth over 8GB/s. The CHAMP-AV5 QuadFlow Express architecture provides each processor with an 8-lane, 4GB/s PCIe connection. Two PMC/XMC sites are available, served with 4-lane 2GB/s PCIe connections.

The CHAMP-AV5 is supported with Curtiss-Wright's Continuum Software Architecture with state of the art firmware and VxWorks Board Support Package support. Curtiss-Wright provides Continuum Vector signal processing libraries and Continuum IPC, a high performance Inter-Processor Communications Library, for message passing and bulk data transfers.

The CHAMP-AV5 is designed to operate in rugged environments and is available in a range of air- and conduction-cooled formats.

### **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](http://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.

### **Contact Details**

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