For Immediate Release

Mistral debut's Industry's First VITA 46 (VPX) DSP Engine: CHAMP-AV6 From Curtiss Wright

New 6U DSP Engine Combines Quad PowerPCs and Serial Switched Fabric Support to Launch New Era in Embedded Multi-Computing

Bangalore, January 2007 - Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, today announced the availability of CHAMP-AV 6, the industry's first VITA 46(VPX)-digital processing engine from Curtiss Wright Controls Embedded Computing. The CHAMP-AV6 combines quad PowerPC 8641 devices with the serial switched fabric capabilities made possible by VPX, the new military aerospace COTS board standard.

The CHAMP-AV6 features four on-board 8641 single-core PowerPC devices. The 8641, Free Scale's latest Altivec-enabled processor, has dual integrated 64-bit memory controllers and offers vastly increased memory performance which translates to reduced execution times for user application software.

The CHAMP-AV6 has four Serial RapidIO ports that provide 10 GB/s full duplex bandwidth which represent a data throughput rate approximately 10x faster than today's best VME/Star Fabric implementation. The VPX format of the CHAMP-AV6 provide backplane connectors capable of handling signaling speeds of up to 6.25 Gbits/sec. Streaming data applications will benefit from the board's 8.5 GB/s memory bandwidth and up to 2 GB of DDR-II SDRAM.

The CHAMP-AV6 represents the industry's first board-level support for 2-level in-the-field maintenance requirements that can significantly reduce sparing and logistics requirements, thus reducing the total life-cycle cost of the systems in which the CHAMP-AV6 is deployed.

A high-performance IPC inter-processor communications library enables message passing and bulk data transfers in a multi-processor system. The CHAMP-AV6 also features an on-board Gigabit Ethernet (GbE) switch for integration with command and control networks. Further, it provides Continuum Software Architecture (CSA) firmware providing a comprehensive suite of system debug, exerciser, and update functions, BIT, and non-volatile memory sanitization function. Software for the CHAMP-AV6 includes support for operating systems including VxWorks, Linux, and Gedae.

About Curtiss Wright

Curtiss-Wright Controls Embedded Computing is a leading global supplier of embedded boards and integrated electronics subsystems for diverse markets and applications including Defense & Aerospace, Medical Imaging, and Industrial Process Control. They serve the embedded industry with an unmatched array of innovative technology and solutions. Their rugged and commercial-grade products, advanced system integration services and lifecycle services programs enable customers to focus on their core competencies to ensure their success.

About Mistral Solutions

Mistral Solutions is a professionally managed technology house undertaking Systems Integration and providing Value added Services. It provides specialized hardware and software solutions in the Embedded domain, as well as Professional Services in Systems Design and Development, Real-Time Applications, and Communications.

By virtue of its core technical expertise, Mistral has valued alliances with leading global companies and it markets scalable computer platforms from Motorola Embedded Communications Computing (previously Force Computers), RTOS and IDE tools from Wind River Systems Inc., telecommunications solutions from NMS Communications, commercial & rugged grade COTS computing solutions from Curtiss Wright (Dy4 Systems, VISTA Controls, Synergy Microsystems, Systran, Peritek, Prima Graphics), board level computers for Industrial Applications from MEN Mikro Electronik, Single Board Computers for VMEbus and CompactPCI from Microsys, high-availability Network Service-Ready Platform (NSRP) solutions from Continuous Computing Corporation, standard and custom products for commercial, military, high-tech, medical, telecom, and research markets from Dawn VME, I/O modules from General Standards Corporation, modified COTS products for military, aerospace, and avionics applications from Targa Systems, Software Defined Radio solutions from Pentland Systems and high quality storage solutions from DNF Storage.

Contact Details

Akhila D S
Marketing Manager
Ph: +91.80.2535 6400
E-mail: akhila@mistralsoftware.com