



For Immediate Release

Mistral's Signal Processing Card wins accolades at NASSCOM IT Innovation Awards

Design set to revolutionize the development of defense, medical and communication systems

Bangalore, February 19 2008 – Mistral a leading product realization company specializing in real-time embedded solutions; has been awarded the NASSCOM IT Innovation Award – 2008 in the 'Market Facing Innovation – Emerging Companies' category for its defense solution, the V8TS (VME based 8-TigerSHARC and PowerPC board).

The V8TS is an extremely powerful dual sub-system product consisting of digital signal processing and control processing on a single 6UVME platform. The board is ideal for usage in radar, sonar and naval applications.

The NASSCOM IT Innovation Awards aims to honor companies who have instilled innovation into existing knowledge and have come up with new ideas, products, processes or technologies that enable the business to achieve greater and better margins plough back into the business. 21 companies across the country were in the fray for the awards this year, of which eight winners were announced by NASSCOM. The winners were felicitated at the NASSCOM India Leadership Forum 2008, in Mumbai from 13th-15th February 2008.

Mistral's award winning solution for the defense market, the V8TS has been designed to provide the power of both signal processing and control processing environment on a single system. The need for systems that combine DSPs and PowerPCs has grown rapidly in the past few years. Dedicated DSPs provide performance, and PowerPCs provide compatibility with commercial technology and lower software and development cost.

Salient Features of the V8TS

The DSP sub-system of the V8TS consists of 8 Analog Devices' TS201 TigerSHARC DSPs to provide an extremely powerful multiprocessing DSP platform of 29GFLOPS with the DSP core operating @ 600MHz. The control processing subsystem is powered by PowerPC 440 @ 800MHz which provides all the processing for the peripherals & can run a Real Time OS. The board has a multi-million gate FPGA for user programmability.

Designed for use in rugged environments the operating temperature of the V8TS ranges from -40°C to +85°C.

The V8TS is the first of its kind in the world encompassing DSPs, PowerPC and the FPGA on a single VME platform. The Board Support Firmware on PPC provides strong APIs for communication between sub-systems, Ethernet, VME and other peripherals. The Software Package provided along with the V8TS includes Linux/VxWorks BSP for PowerPC in addition to VDSP support.

The V8TS provides high-speed interface with effective inter processor and inter system connectivity. It also has a PMC expansion slot. The cards can be cascaded to build a very powerful signal processing system delivering several hundred GFlops of processing power on tap.

Applications

“The use of V8TS in defense applications will help designers in saving huge costs in deploying control cards or SBCs. One V8TS card can replace 6-50 DSP cards in current airborne or naval systems resulting in less bulkier systems” said Anees Ahmed, President and CEO, Mistral Solutions.

The combination of DSP processing power and PPC with OS and peripheral support on the same VME board makes this a cost effective and easy-to-use solution for systems that need high end data processing and application control. The board is ideal for usage in radar, sonar and naval applications. The V8TS will revolutionize the development of defense, medical and communication applications like Electronic and Network centric warfare systems, Infra-red Search and Tracking systems, Mobile Surveillance systems, airborne systems, Tactical and strategic communication systems, Satellite/wireless communications systems, Naval Display Systems.

For more information on the V8TS, visit us at the Def Expo India 2008 (Stall No. 61, Hall 18) to be held at Pragati Maidan, Delhi between 16-19 February 2008 or visit <http://www.mistralsolutions.com/V8TS>.

About NASSCOM

NASSCOM® is the premier trade body and chamber of commerce of IT-ITeS industries in India with over 1200 members, including over 250 multi-national companies. It was set up to facilitate business and trade in software and services and to encourage advancement of research in software technology. It has been the strongest proponent of global free trade in India. NASSCOM members are among the leading participants in the new global economy, reputed for their cutting-edge business practices and social initiatives.

The nation-wide search for the IT innovators was conducted for the fourth time by NASSCOM; the award recognises organisations that come up with new ideas, products, processes or technologies that create business impact.

About Mistral

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.

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