

For Immediate Release



Mistral announces availability of new Conduction-Cooled SVME/DMV-183 SBC from CWCEC

SVME/DMV-183 supports dual FreeScale 7447A/7448 processors up to 1.5GHz for real-time embedded computing in harsh environments

Bangalore, May 05 – Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, announced the availability of SVME/DMV-183, a new high performance, dual processor, rugged 6U VMEbus single board computer from Curtiss-Wright Controls Embedded Computing (CWCEC). This latest offering from CWCEC combines higher performance with faster processors, additional operating features and a lower retail price than its predecessors.

The SVME/DMV-183 features single or dual 1.5 GHz FreeScale MPC7447A/7448 PowerPC processors. It is ideal for technology upgrades, and is fully compatible with earlier generations of CWCEC's SVME PowerPC-based SBCs. This conduction-cooled SBC is targeted to the demanding data processing needs of tactical aircraft, armored vehicles and many harsh environment naval systems.

The board's Altivec™ enabled 7447A/7448 PowerPC (PPC) processor(s) are supported by a GT-64460 Discovery™ III system controller that provides bridging to the PPC MPX bus and the DDR SDRAM bus, two 64-bit PCI busses and the Flash EPROM's and non-PCI peripheral's high performance device bus. On-board memory includes 512 MB or 1 Gbyte of DDR SDRAM with ECC (growth path to 2 GB). Up to 256 Mbytes of contiguous direct-mapped Flash is also available (growth path to 512 MB). Additional on-board features include Gigabit Ethernet, SCSI, and two USB 2.0 ports. Support for up to two MIL-STD-1553 channels (1553A, 1553B Notice 2, and STANAG 3838) is provided as an option.

System expansion on the SVME/DMV-183 is supported with two 64-bit PMC sites, one of which supports 100 MHz PCI-X while retaining compatibility with legacy 33 MHz and 66 MHz PMC modules. Both of the PMC sites are designed to the VITA 20-2001 Conduction Cooled PMC (CCPMC) standard. The SVME/DMV-183 features enhanced thermal management for conduction-cooled applications, including thermal management layers within the PWB. In addition, a TherMax™ aluminum thermal frame directs heat from the PMC sites and other shunted components to the board's backside for cooling to ensure minimal temperature rise.

Operating system support for the SVME/DMV-183 includes Wind River VxWorks/Tornado. An Altivec-optimized DSP library from IXLabs-AV is also supported.

About Curtiss-Wright Controls Embedded Computing

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 products from Force (now known as Embedded Communications Computing), RTOS, IDE, Development tools from WindRiver Systems Inc., Computer telephony solutions from Natural Microsystems, Commercial & rugged grade COTS computing solutions from Curtiss Wright (Dy4 Systems, VISTA Controls, Synergy Microsystems, Systran, Peritek), and Board level computers for Industrial Applications from MEN.