

Curtiss-Wright Controls Announces Software Development Partnership with Gedae Software: Demo System to be Displayed at Sea, Air, Space 2010

Gedae to provide graphics development environment for Curtiss-Wright's CHAMP family of OpenVPX™ DSP Engines

Sea, Air & Space, National Harbor, Maryland – May 3, 2010 -- Curtiss-Wright Controls Embedded Computing (CWCEC), a business group of Curtiss-Wright Controls and a leading designer and manufacturer of commercial off-the-shelf (COTS) VME, VPX, VXS and CompactPCI products for the rugged deployed defense and aerospace market, has announced a new partnership for software joint development with Gedae, Inc. The partnership will bring support for Gedae, Inc.'s software development environment (also named Gedae) to CWCEC's next-generation of CHAMP VPX DSP engines. Gedae provides a complete development environment for multiprocessor DSP systems. Support for Gedae will enable system designers to easily and quickly develop and field systems based on next-generation CWCEC CHAMP boards.

"We are excited to partner with Gedae to bring support for their comprehensive development environment to our next generation of high performance multiprocessor CHAMP-AV6 DSP engine," said Lynn Patterson, vice president and general manager, Curtiss-Wright Controls Embedded Computing.

"Gedae, Inc. looks forward to working closely with Curtiss-Wright Controls to speed the deployment of advanced embedded multiprocessor DSP systems," said Jeremy Lundgren, vice president and general manager, Gedae, Inc.

Gedae Board Support Packages (BSPs) for the CWCEC CHAMP family boards leverage CWCEC's Continuum IPC™ and Continuum Vector™ software tools. Gedae is an integrated development environment that enables system integrators to design, test, build and deploy multiprocessor DSP applications. The Gedae environment consists of an auto-coding, multiprocessor compiler, high-level language, algorithm library, and debug and analysis tools. The compiler takes functional models and hardware architecture and creates an appropriate, multi-threaded application.

Demo Spotlights Significant Performance Boost

At the upcoming Sea, Air and Space Conference, National Harbor, Maryland, Curtiss-Wright Controls and Gedae, Inc. will present a system demonstration featuring a benchmarking study that compares the performance of the CHAMP-AV6 and its predecessor the CHAMP-AV4. The demonstration employs a Synthetic Aperture Radar (SAR) algorithm with a distributed multiprocessor 2D FFT. The demonstration shows a significant performance increase for the CHAMP-AV6, thanks to both its increased floating point processor performance and its use of a Serial RapidIO (SRIO) fabric architecture.

About Gedae

Gedae is an application development environment consisting of a language, compiler and thread scheduler. It also includes an automated build system and a tool suite supporting the development activities. The compiler is the central component of Gedae and automatically implements software for a single processor, multiprocessor, multicore or heterogeneous system. Because the Gedae compiler is aware of the multiprocessor and the multi-core and memory architecture of the target, it automatically customizes the software to that architecture. As a result, it's easy to port applications among processors. The Gedae language provides the compiler with information in a form that allows the compiler to automatically perform the most complex tasks, including threading the application, planning memory and implementing the distribution of the software.

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.

About Curtiss-Wright Controls, Inc.

Headquartered in Charlotte, North Carolina, Curtiss-Wright Controls is the motion control segment of Curtiss-Wright Corporation (NYSE: CW). With manufacturing facilities around the world, Curtiss-Wright Controls is a leading technology-based organization providing niche motion control products, subsystems and services internationally for the aerospace and defense markets. For more information, visit www.cwcontrols.com.

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