
DSEi Gets First Look at High Performance Switched Serial Fabric VITA 46 / VITA 48 Embedded System Technology

Curtiss-Wright Controls and Elma Electronic to showcase prototypes of Next Generation, High-Performance VITA 46 / VITA 48 System Hardware

DSEi 2005, Excel, London, UK- September 13, 2005 – Curtiss-Wright Controls Embedded Computing, a leading supplier of embedded boards and systems for military and aerospace applications, and Elma Electronic, an industry expert in high-performance system platforms, today announced that the first prototype of an embedded system based on the upcoming VITA 46 and VITA 48 standards. The units will be on display at the Defence Systems & Equipment International Exhibition & Conference (DSEi), September 13-16, in Excel, London, UK.

“Curtiss-Wright Controls and Elma Electronic are very excited to be able to showcase the industry’s first prototype of an ATR system based on the VITA 46 and VITA 48 standards at DSEi 2005,” said Tom Quinly, president of Curtiss-Wright Controls Embedded Computing. “Military and aerospace system designers need the combination of high speed interconnectivity, switched fabric support, two-level maintenance, and superior cross-vendor interoperability that these standards offer.”

“Continuing our history of innovation and leadership in high-performance backplane and chassis design, the Elma team is proud to introduce the first prototypes of VITA 46 system platforms with Curtiss-Wright Controls,” said Fred Hirsch, General Manager of Elma Bustronic, the backplane division of Elma Electronic in the USA.

VITA 46 and VITA 48, being developed and defined by the VMEbus International Trade Association’s (VITA) VITA Standards Organization (VSO), is a comprehensive effort that defines the next major evolutionary advance in open architecture, standards-based embedded computing. At DSEi, attendees will have the first opportunity to view prototypes of an ATR chassis, backplane and CPU board that implement VITA 46 and VITA 48 features. The prototypes will be available for viewing at Curtiss-Wright Controls’ booth #1633 and at Elma Electronic’s booth # 1134.

While maintaining backward compatibility with legacy VME technology via preservation of the VMEbus 6U mechanical form factor and through-mapping of the current VMEbus signals to the VITA 46 connectors, VITA 46 and VITA 48 technologies bring the following highly anticipated features to reality while maintaining ability to interoperate with existing VME technology boards:

- Vastly increased high-speed serial I/O support for such needs as digital video, mass storage interconnects (e.g. SATA) and FPGA interconnects (e.g. RocketIO).
- Support for high-speed switched serial fabrics with performance up to 10 Gbps.

- Support for cost-reducing two-level maintenance by providing an Electrostatic Discharge (ESD) protection mechanism and board covers.
- Support of distributed switching that eliminates the need for dedicated switch card slots.
- Support for VITA 42 mezzanine sites with high speed I/O.
- Unprecedented cross-vendor board interoperability as a result of pre-defined mezzanine card I/O pinouts.

For information regarding Curtiss-Wright Controls Embedded Computing products or services, contact John Wranovics, director of public relations, Curtiss-Wright, Tel: (925) 640-6402; Fax: (510) 530-8563; email: jwranovics@curtisswright.com. Web site: www.cwembedded.com.

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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.cwembedded.com.

About Elma Electronic

Elma Electronic Inc. is a leading manufacturer and supplier of enclosures, backplanes, cabinets, cases, and "ready-to-run" packaging for ATCA, CPCI, Rugged COTS, VME/64x, VXI, PC and custom bus structures. Elma's component product line offers a wide selection of top quality switches knobs and LED arrays. The company has been a worldwide supplier of dependable, high performance products for over 35 years. Elma operates three facilities in the continental United States plus has locations in Switzerland, Germany, France, the United Kingdom, China, and Israel.

Elma Electronic Inc. is located at 44350 Grimmer Blvd., Fremont, CA 94538 USA. Telephone (510) 656-3400 - Fax (510)656-3783. www.elma.com

About Elma Bustronic

Founded in 1989, Elma Bustronic specializes in the design and manufacture of high-performance backplanes. Elma Bustronic has a complete line of industry-standard backplanes, including AdvancedTCA, CompactPCI, VME, VME64x, VME320, H.110 CTEL, and VXI. Elma Bustronic's custom design service combines creative engineering, highly sophisticated computer simulation and modern design techniques to offer customized backplanes that meet the most specialized system requirements. A member of the ELMA Electronic group, Elma Bustronic is located in Fremont, California. Elma

Bustronic is a member of PICMG™, VITA, and the StarFabric Trade Association and can be found on the World Wide Web at www.Bustronic.com.

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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