

## **Curtiss-Wright Announces its First Intel® Core™ Duo Processor-Based 6U VME Single Board Computer for Defense & Aerospace Applications**

### **New SVME/DMV-1901 6U VME SBC Delivers Ultra-Low Voltage, High Performance Dual-Core Processing for Power Constrained Benign and Rugged MIL Applications**

**LEESBURG, VA – October 6, 2006** -- Curtiss-Wright Controls Embedded Computing, a leading designer and manufacturer of commercial off-the-shelf (COTS) VME, VPX and CompactPCI products, has announced the SVME/DMV-1901, its first 6U VME single board computer (SBC) to feature the Intel® Core™ Duo processor running at speeds of 1.67 and 2.0 GHz. The Intel Core Duo processor's ultra-low voltage operation significantly improves embedded system performance-per-Watt and is ideal for defense and aerospace platforms in which x86 processing and performance per Watt are critical. The SVME/DMV-1901 is available in both air and conduction-cooled ruggedized configurations and can be configured with either a dual-core Intel Core Duo processor or a single-core Intel® Core™ Solo processor.

"Curtiss-Wright is proud to introduce its first Intel Core Duo-based VME SBC designed specifically for military applications and harsh environments," said Lynn Patterson, vice president and general manager of Curtiss-Wright's Modular Solutions group. "Now, VME system integrators seeking the low-power and dual-core performance of Intel's most advanced x86 processor family have a ruggedized platform for WindowsXPe, Solaris10, Linux, and soon, real-time applications. Even better, Curtiss-Wright backs its Intel Core Duo processor-based SBCs with its Guardian Select suite of services, the industry's most extensive lifecycle-management program."

"For military and defense applications, the Intel® Core™ Duo processor is bringing a new level of energy efficient performance to the VME market," says Rose Schooler, Director of Marketing, Intel Infrastructure Processor Division. "Curtiss Wright, a leader in providing solutions for the COTS defense market, is utilizing the benefits of embedded Intel® architecture to bring innovation, increased performance and long term stability for this widely adopted standards-based form factor."

The SVME/DMV-1901 is configured with a wide array of I/O in addition to its two PMC/XMC expansion sites. Air-cooled front panel I/O includes onboard video graphics and SCSI interfaces.

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### **Performance Features**

- Single slot, 6U VME64x SBC
- Intel® Core™ Duo or Core™ Solo Processor
  - ultra low voltage 1.67 GHz (15W) 2.0 GHz (21W) clock rates
  - Single or Dual-Core CPU
  - 2 Mbytes L2 Advanced Transfer Cache
- Up to 4 Gigabytes ECC DDR2 SDRAM
- Up to 4 Gigabytes USB User FLASH
- ATI Radeon X300 Graphics onboard w/ 4-lane PCI Express, Dual Display
- Intel® E7520 Memory Controller Hub (MCH)
- Intel® 6300ESB I/O Controller Hub (ICH)
- VME 64x Universe II bus interface

### **I/O Features:**

- Trusted Platform Module support
- 2 PMC (64-bit)/XMC (8xPCIe) mezzanine expansion sites
- 2 Gigabit (10/100/1000) Ethernet Ports
- 2 Video Graphics Ports, RGB-DVI
- 3 USB 2.0 Ports
- 6 Com (2 RS-232; 4 RS-422) ports
- 2 SATA ports
- 8 GPIO lines
- AC'97 Audio
- 2 PS/2 ports
- 2 SCSI ports, Ultra 320/160

The SVME/DMV-1901 is offered in a wide range of ruggedization levels including L0, L50 and L100 air-cooled and L100 and L200 conduction-cooled configurations. For detailed information on Curtiss-Wright's ruggedization capabilities and ratings, please visit the company's website at <http://www.cwembedded.com/6/144/208.html>.

For more information on Curtiss-Wright's Guardian Select lifecycle maintenance services, please visit <http://www.cwembedded.com/services/5/162/17.html>.

Software for this new SBC includes board support packages (BSPs) for a wide variety of operating system environments. In addition to natively running WindowsXPe, the SVME/DMV-1901 is Curtiss-Wright's first VME SBC to support the Solaris 10 operating system. BSPs are currently available for WindowsXPe, Solaris10, and Linux. Support for real-time environments such as VxWorks and LynxOS will be announced soon.

Volume pricing for the air-cooled SVME-1901 is expected to start under \$4700 US. Available Q1'2007. For pricing on the conduction cooled DMV-1901 please contact the factory.

For editorial information regarding Curtiss-Wright Controls Embedded Computing products or services, contact John Wranovics, Director of Public Relations, Curtiss-Wright, Tel: (510) 531-6500; Fax: (510) 530-8563; email: [jwranovics@curtisswright.com](mailto:jwranovics@curtisswright.com). Web site: [www.cwcembedded.com](http://www.cwcembedded.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. Curtiss Wright is an Affiliate Member of the Intel® Communications Alliance (ICA), a community of communications and embedded developers and solution providers. For more information about Curtiss-Wright visit [www.cwcembedded.com](http://www.cwcembedded.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, CW.B). 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](http://www.cwcontrols.com).

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