

## **Curtiss-Wright Announces New Intel® Core™2 Duo processor T9400-based 6U VPX Single Board Computer**

**The VPX6-1952 is first rugged 6U VPX SBC to feature 45nm x86 Processor and Chipset from Intel**

**LEESBURG, VA – November 4, 2008** -- Curtiss-Wright Controls Embedded Computing, a leading designer and manufacturer of commercial off-the-shelf (COTS) VME, VPX and mezzanine products for the defense and aerospace market, and an affiliate member of the Intel® Embedded and Communications Alliance, has announced the **VPX6-1952**, its first rugged 6U VPX single board computer based on the Intel® Core™2 Duo processor T9400.

The VPX6-1952 was designed for use as the General Processor Modules (GPM) for use in the Integrated Computer System (ICS) of the U.S. Army's Future Combat Systems (FCS) program.

“Curtiss-Wright is proud to introduce the first Intel® Architecture 6U VPX single board computer. This next-generation VPX single board computer, which has already been selected for use in a future military program, brings all of the performance and flexibility of x86 processing to the rugged deployed aerospace and defense market,” said Lynn Patterson, vice president and general manager of Curtiss-Wright’s Modular Solutions group. “Even better, its power management features make it ideal for space, weight and power constrained applications in harsh environments.”

“For military and defense applications, the Intel Core2 Duo processor T9400 is bringing a new level of energy efficient performance to the ruggedized computing market segment,” said Ryan Parker, director of marketing, Intel Embedded Computing Division. “This solution will enable Curtiss Wright to provide the COTS defense market with the benefits of embedded Intel® architecture to bring innovation, increased performance and long-term stability for this standards-based form factor.”

The VPX6-1952 is based on the Intel Core2 Duo processor T9400, which delivers significantly enhanced energy-efficient performance, making it an ideal x86 platform for space, weight and power (SWaP)-limited aerospace and defense applications. This Intel Core2 Duo processor integrates two complete execution cores in one physical package, providing advancements in simultaneous computing for multi-threaded applications and multi-tasking environments. Intel’s hafnium-based 45nm Hi-k silicon process technology

enables even more processor performance by doubling transistor density and increasing cache size by up to 50 percent.

The Intel Core2 Duo processor T9400 is validated with the Mobile Intel® GM45 Express chipset, providing excellent processor and graphics performance, storage speed and reliability, and up to 8GB of 800MHz DDR3 system memory. This platform provides graphics core performance up to 533 MHz and is ideal for a broad range of embedded applications such as interactive clients, embedded platforms and industrial automation equipment.

The Intel Core2 Duo processor T9400 and its Mobile Intel GM45 Express Chipset deliver powerful performance enhancements for Curtiss-Wright's x86-based single board computer customers:

#### **Intel® Core™2 Duo processor T9400 Performance Features**

- Faster cores @ 2.5 GHz improvement over 1.5 GHz Intel Core™2 Duo
- SSE4 Floating Point Unit
- 6 MB cache
- 1066 Front Side Bus improvement over 667 MHz FSB on 1201/1901

#### **Mobile Intel® GM45 Express Chipset Performance Features**

- DDR3 memory at 800MHz is twice the performance from 1201/1901
- Built-in graphics core performance up to 533 MHz

The VPX6-1952 is available with 4GB or 8GB of high-bandwidth SDRAM and comes with a rich complement of high-speed I/O, including dual Gigabit Ethernet, three (3) serial ports, ten (10) USB 2.0 ports, and an XMC site with 20 differential and two (2) single-ended signal pairs mapped to the backplane.

The board's integral high-speed SERDES Gigabit Ethernet and XMC mezzanine module connectivity enables high bandwidth data flows. Data can also flow from the VPX backplane to the XMC site to support demanding high bandwidth applications such as the acquisition, processing and distribution of video, radar, and sonar sensor data.

#### **VPX6-1952 Performance Features**

- Powerful general purpose VPX single board computer
- Intel® Core™2 Duo processor T9400
  - 2.5 GHz
  - 6 MB L2 Cache
- 4 or 8GB RAM
- 1066 MHz FSB
- XMC site
- VPX (VITA 46) and VPX-REDI (VITA 48) configurations available

- Air- and conduction-cooled versions available

### **Software Support**

Operating support for the VPX6-1952 includes Wind River's GPP Linux Edition 2.0. The GPP Linux Edition distribution provides a well tested and embedded distribution that is ideal for typical aerospace and defense applications. Also available for the VPX6-1952 is Windows XP Embedded, Other operating system support is under development and announcements will be made as they become available.

For editorial information regarding Curtiss-Wright Controls Embedded Computing products or services, contact John Wranovics, Director of Media Relations, Curtiss-Wright, Tel: (925) 640-6402; email: [jwranovics@curtisswright.com](mailto:jwranovics@curtisswright.com). Web site: [www.cwembedded.com](http://www.cwembedded.com).

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Pricing for the VPX6-1952 starts at \$13,500. Availability is 20 weeks ARO.

### **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 Controls Embedded Computing visit [www.cwembedded.com](http://www.cwembedded.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](http://www.cwcontrols.com).

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