



## **Mistral announces availability of small form factor, high bandwidth card featuring QorIQ™ P4080 Processor**

Ideal for high performance SWaP constrained rugged applications

**January 2010:** Mistral Solutions Pvt. Ltd., a leading provider of complete technology solutions and professional services in the embedded space, today announced the availability of Curtiss Wright's VPX3-129, a new rugged Power™ Architecture-based 3U VPX (VITA 46) single board computer (SBC).

The VPX3-129 is a powerful, small form-factor SBC that enhances performance and advanced I/O capabilities of Freescale's QorIQ™ P4080 eight-core communications processor with an extensive I/O complement to provide a highly capable 3U VPX SBC. This makes it ideal for a wide range of embedded harsh environment applications including tactical aircraft, armored vehicles or rugged naval systems.

The VPX3-129 has multi-gigabytes per second data flows from board-to-board via the backplane, and from the backplane to its XMC site to support the acquisition, processing, and distribution of high-bandwidth sensor input such as video, radar, and sonar data. The board has been designed to optimize functionality, reduce power dissipation and maximize system flexibility.

The board's I/O complement includes two Gigabit Ethernet ports, four serial channels, up to 8-bits of discrete digital I/O, USB 2.0 ports, and an XMC mezzanine site with 64- bits of I/O mapped to the backplane. It accommodates either dual SRIO high speed fabric ports to the backplane or up to 3 PCIe ports to provide plenty of high speed connectivity for the most demanding applications.

The VPX3-129 comes equipped with a VxWorks 6.x BSP, a driver suite supporting Workbench 3.x IDE and Wind River Linux, plus a firmware set providing a comprehensive suite of system debug, exerciser, and update functions, built-in self test, and a nonvolatile memory sanitization function.

Both air and conduction-cooled versions of the VPX3-129 are available. An optional companion board called the VPX3-215 is also available that provides two PMC sites and an XMC/PMC site.

### **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.