NEWS RELEASE

Curtiss-Wright Debuts Next Generation Quad-Core Power Architecture® Single Board Computer

New, dual threaded 64-bit AltiVec®-enabled VPX6-197 SBC features a quad-core T2080 processor, delivers 1.8 GHz non-throttling processing performance with only 42 watts of power dissipation

ASHBURN, Va. **– January 9, 2017 --** Curtiss-Wright's Defense Solutions division today introduced the VPX6-197, its newest Power Architecture-based 6U VPX rugged single board computer (SBC). The VPX6-197 features NXP® Semiconductors' quad-core dual threaded 64-bit AltiVec-enabled T2080 processor to deliver up to 1.8 GHz non-throttling processing performance yet only requires 42 watts of power dissipation. The new SBC extends Curtiss-Wright's ongoing commitment to lead the industry in delivering Power Architecture based embedded processing solutions. The VPX6-197 provides system designers with a backwards compatible solution for upgrading previous generation PowerPC/Power Architecture modules based on the P4080 processor, such as Curtiss-Wright's VPX6-187 SBC.

The VPX6-197 is ideal for use in size, weight, power and cost (SWaP-C)-constrained aerospace and defense applications. Its quad-core T2080 CPU, each core featuring AltiVec support, delivers the high performance processing needed to handle the acquisition, processing, and distribution of sensor data for demanding video, radar, and sonar applications. It's equally well suited for use as a mission computer, display computer, or in SIGINT and motor control applications deployed on space-constrained tactical aircraft, armored vehicles and harsh environment naval systems.

For retrofit and technology insertion applications, the new SBC delivers the same complement of I/O, including includes four Gigabit Ethernet ports (2 x 1000BASE-KX and 2 x 1000BASE-T), EIA-232/422 serial channels, discrete and differential digital I/O, Universal Serial Bus (USB) 2.0 ports, and SATA interfaces as the earlier design, yet is cost competitive. For mezzanine support, the VPX6-197 provides one XMC site and one PMC/XMC site. For applications requiring additional mezzanine sites or interconnects, the SBC provides PCI Express® (PCIe) expansion plane capability to support a variety of port widths. In addition, the SBC features an updated OpenVPX™ dataplane that supports the 10Ge-KR profile natively from the T2080 processor.

"The exciting next-generation VPX6-197 single board computer represents Curtiss-Wright's ongoing commitment to support our Power Architecture customers with cutting-edge products, whether they're upgrading existing VPX applications or updating legacy Power Architecture-based VME architectures to modern 6U VPX designs," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions. "With its 1.8 GHz quad-core T2080 processor, the VPX6-197 takes AltiVec-based computing to the next level."

Software support for the VPX6-197 includes Curtiss-Wright's U-Boot, VxWorks®, NXP-based SDK Linux®, and Green Hills® INTEGRITY® Board Support Packages (BSPs) and driver suite.

For more information about Curtiss-Wright's Defense Solutions division, please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation
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