NEWS RELEASE

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New Rugged 5-Slot 3U Mission Computer Introduced by Curtiss-Wright

Fully Integrated/Qualified Mission Computer delivers enhanced performance with up to four (4) Core™i7 SBCs connected by Layer 2 Ethernet Switch and PCIe, and an optional Graphics Engine

HELI-EXPO 2015 (Booth# 5466) – Orlando, Fla. – March 2, 2015 – Curtiss-Wright Corporation (NYSE: CW) today announced that its Defense Solutions division has introduced a new fully integrated 5-slot 3U OpenVPX™ rugged mission computer designed to quickly deploy intensive computer power on defense and aerospace platforms. The **MPMC-9355-0002 Multi-Platform Mission Computer** is the latest member of Curtiss-Wright's extensive MPMC family of fully integrated and qualified COTS subsystems. This powerful mission computer can be readily configured with up to four (4) 2.1 GHz VPX3-1257 3U OpenVPX™ single board computers (SBCs), each of which features a quad-core 3rd Generation Intel® Core™i7 processor. The MPMC's SBCs are flexibly connected using a fully managed Layer 2 Ethernet switch and a PCIe backplane infrastructure. The integral VPX3-652 Ethernet switch supports up to eight (8) external Gigabit Ethernet (GbE) connections for inter-system communication.

Designed to meet the needs of any compute-intensive application, this flexible mission computer can be easily "personalized" with a wide array of module options via each of the SBC's onboard PMC/XMC expansion site. The MPMC-9355-0002 can also be configured to support high performance graphics display by integrating an optional VPX3-716 graphics engine that can drive up to four (4) independent displays[1]. Power is provided by a 3 phase 115 VAC power supply. The cost effective, rugged MPMC-9355-0002 is especially well-suited for demanding compute intensive applications such as image, signal, and radar processing.

"This powerful 'off-the-shelf' COTS processing subsystem leverages today's leading COTS technology to reduce the system integrator's design risk while speeding their application development schedule," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "Our MPMC family of fully integrated mission computers offers a wide range of configuration options supported by our industry-leading rugged 3U and 6U VPX board products."

[1] Use of the VPX3-716 graphics engine requires one of the four SBC slots.

The Integrated System Advantage
This fully integrated off-the-shelf compute solution can greatly reduce up-front costs for developing a high performance mission computer. The MPMC-9355-0002 delivers economies of scale during production that reduce recurring costs while meeting the I/O, performance and environmental requirements of unique and demanding defense and aerospace programs.

Advanced Cooling for Highly Reliable Operation Over the Full Temperature Range
Because it comes fully tested and qualified, this proven subsystem provides system designers with an affordable low-risk computing system. To ensure the highest level of performance, the MPMC-9355-0002 mission computer has been designed to pass numerous environmental tests including Temperature, Altitude, Shock, Vibration, Fluid Susceptibility, Voltage Spikes, Electrostatic Discharge and more. In addition to meeting the demanding DO-160 specification, the MPMC-9355-0002 also supports MIL-STD-810 and MIL-STD-704 for power. Designed with advanced packaging techniques to ensure optimal performance in harsh environments, the mission computer operates at full performance in ambient temperatures up to 55°C using an integral rugged fan. The rugged conduction-cooled ½ ATR enclosure isolates its installed modules from external environmental conditions such as humidity, dust and sand. EMI filters and gaskets ensure system security and increased reliability.

Custom Variations
The MPMC-9355-0002 mission computer can be ordered as a modified commercial off-the-shelf (MCOTS) product with a modified front panel connector set, modified backplane wiring or a modified card set so it will fit your exact needs, for example configurations utilizing either Intel® or Power Architecture® based processors. The system can be expanded with any of the additional features required for mission critical or video display systems such as MIL-STD-1553, ARINC 429, and video capabilities. In addition, 28VDC and single phase 115VAC 400Hz Power Supply options are also available. Contact your local Curtiss-Wright representative for more information on how we can meet your custom program requirements.

About Curtiss-Wright Rugged Embedded Systems
As an independent design and manufacturing facility, the UK/Europe-based Rugged Embedded Systems group mirrors the resources and capabilities of Curtiss-Wright's Integrated Systems team, located in Santa Clarita, Calif. It delivers the equivalent level of systems integration and support while providing its UK and European customers with ITAR-free designs
The Rugged Embedded Systems group also provides comprehensive subsystems design services, including the coordination of custom enclosure development, board level design and customer support.

Click here for more information on the MPMC-9355-0002. For availability and detailed pricing information, please contact the factory.

Sales inquiries: Please forward all Sales and reader service inquiries to Kavita Williams, Curtiss-Wright Defense Solutions, Tel: (661) 705-1142; Fax: (661) 705-1206; email: ds@curtisswright.com.

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

About Curtiss-Wright Corporation
Curtiss-Wright Corporation (NYSE:CW) is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit www.curtisswright.com.

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