



NEWS RELEASE

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Curtiss-Wright and Green Hills Software Collaborate to Bring Support for INTEGRITY-178 tuMP Safety-Certifiable RTOS to the VPX3-133 Processor

The NXP T2080 SOC-based VPX3-133 enables system designers to take full advantage of the multicore INTEGRITY-178 tuMP™ RTOS

EMBEDDED WORLD 2017, NUREMBERG EXHIBITION CENTRE, GERMANY (Hall 4A, Booth 620C) – **March 14, 2017** – -- [Curtiss-Wright's Defense Solutions division](#) today announced that Green Hills Software's field-proven INTEGRITY-178 tuMP™ safety- and security-critical multicore real-time operating system (RTOS) is now supported on the Curtiss-Wright [VPX3-133 single board computer \(SBC\)](#). The rugged VPX module, featuring NXP's T2080 SOC, enables system designers to rapidly integrate COTS system solutions based on INTEGRITY-178 tuMP. The Green Hills operating system (OS) is the industry's only multi-core RTOS that enables users to utilize all available compute power from the processor's QorIQ cores, including virtual cores, all based on deterministic, user-defined core and scheduling assignments. For safety-certifiable SBC designs, NXP's T2080 SOC is emerging as a de facto standard thanks to its support from proven and trusted safety-certifiable OS vendors such as [Green Hills Software](#).

The VPX3-133, combined with INTEGRITY-178 tuMP, is ideal for rugged deployed applications that do not require DO-254 safety-certifiable hardware. For applications requiring DO-254 certification, Curtiss-Wright is developing the VPX3-152, a T2080 based DO-254 DAL A SBC that will also support INTEGRITY-178 tuMP. The VPX3-133, which shares a similar architecture to the VPX3-152, can be used now to speed system development.

“We are excited to announce support for INTEGRITY-178 tuMP on our Power Architecture-based VPX3-133 single board computer,” said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. “The VPX3-133 joins our DO-254 safety-certifiable VPX3-151 and VPX3-1220 SBCs, which also support INTEGRITY-178 tuMP, further expanding our cooperative development with Green Hills and extending our commitment to delivering best-in-class solutions for the avionics industry.”

For information about the VPX3-133 INTEGRITY-178 tuMP board support package (BSP) customers should contact Green Hills Software directly.

About the VPX3-133 Single Board Computer

Curtiss-Wright's VPX3-133 is a rugged 3U OpenVPX™ SBC featuring NXP's quad-core QorIQ™ T2080 Power Architecture® processor. The VPX3-133 combines the performance and the advanced I/O capabilities of NXP's Quad core AltiVec™-equipped 64-bit processor with an extensive set of I/O that provides an extremely powerful processing solution for SWaP-constrained environments. It delivers a high level of computing functionality in the small 3U standard form factor with low power (37Watts) while providing industry leading I/O flexibility.

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

About Curtiss-Wright Corporation

Curtiss-Wright Corporation 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 8,000 people worldwide. For more information, visit www.curtisswright.com.

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