



Core Avionics & Industrial Inc.
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CoreAVI announces OpenGL graphics driver support for Wind River Hypervisor

Tampa, Florida, October 28, 2013. Core Avionics & Industrial Inc. (“CoreAVI”), a Channel One company, announced today that it has developed and released graphics driver support for Wind River Hypervisor, part of the Wind River portfolio of trusted systems, which provides safety, security, and embedded virtualization capabilities used by the world’s leading manufacturers of aerospace and defense applications.

Designed to support graphics systems utilizing multicore processors running multiple independent operating systems, CoreAVI’s suite of OpenGL graphics drivers for [AMD Embedded Radeon™ graphics](#) and system on chip processors enable high performance graphics capability in a variety of multi-display and multi-application environments utilizing multiple symmetric (SMP) and asymmetric (AMP) multi-processing operating system configurations. Architected to support current and future select AMD Radeon™ graphics and AMD SoC processors, mil-aero system manufacturers are now armed with an extremely scalable “power per watt” performance solution to support a wide range of display and parallel processing applications in multicore and multi guest operating system environments.

Aligned with the Future Airborne Capability Environment (FACE™) Technical Specification, CoreAVI’s OpenGL drivers seamlessly enable customers the flexibility to deploy multiple display applications with mixed levels of criticality executing concurrently on different operating systems onto the same single-core or multi-core processor. CoreAVI’s suite of OpenGL drivers support all versions of Wind River’s VxWorks real-time operating system (RTOS) product line.

“We are pleased that CoreAVI has enabled our customers with the flexibility of utilizing advanced graphic applications with Wind River solutions which further facilitate the safety critical partitioning of graphics applications across multiple CPU cores and operating systems,” states Chip Downing, senior director of aerospace and defense at Wind River.

“AMD is excited that CoreAVI has added embedded graphics support for Wind River. CoreAVI’s OpenGL drivers allow our embedded graphics’ customers to take complete advantage of multicore processing and RTOS virtualization. The integration of AMD’s graphics processors, CoreAVI’s embedded graphics solutions, and Wind River’s VxWorks product line continues to be a successful combination in the mil-aero and high reliability markets,” said Kamal Khouri, Director of Embedded Products of AMD.

“The Wind River portfolio of trusted systems unlocks the full potential of multicore processing in a safety-critical environment. This enables our customers to build performance competitive and cost effective next-generation embedded devices. CoreAVI is committed to continue to invest upfront to develop complementary solutions to allow our customers to fully realize the use of graphics, video and general purpose computing on multicore platforms,” states Lee Melatti, CEO of CoreAVI.

About Core Avionics & Industrial Inc.

Core Avionics & Industrial Inc. (“CoreAVI”), a Channel One company, provides “program ready” embedded graphics and video processors to mil-aero and high reliability embedded systems manufacturers. A worldwide provider of AMD graphics processors and SoC products, CoreAVI’s products include 20+ year supply management, temperature-screened versions of the AMD Radeon™ graphics processors and embedded graphics drivers to enable AMD Radeon™ graphics support for real time operating systems. CoreAVI’s program support includes FAA DO-254 and DO-178C (up to Design Assurance Level A) certification evidence for safety critical environments. www.coreavi.com

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