



Core Avionics & Industrial Inc.
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CoreAVI announces safety critical OpenGL drivers, DO-178C certification support, and 20+ year supply program for the new AMD Embedded Radeon E8860 GPU

A product demonstration of CoreAVI's turnkey AMD Radeon™ E8860 embedded OpenGL graphics solution for avionics and high reliability platforms running on Wind River's VxWorks RTOS will be on display in AMD's booth # 1/1-138 at the Embedded World conference in Nuremburg, Germany on Feb 25th to 27th 2014. Additional product demonstrations of CoreAVI's safety critical graphics drivers for AMD Radeon™ GPUs are on display at Esterel Technologies (Hall 4/4-303) and SYSGO (Hall 5/5-371) booths.

Nuremburg, Germany, Embedded World - February 25, 2014. Core Avionics & Industrial Inc. ("CoreAVI"), a Channel One company, today announced software and hardware solutions developed to enable the new AMD (NYSE:AMD) Radeon™ E8860 discrete graphics processing unit (GPU) to be used by defense, aerospace, and other high reliability system manufacturers. CoreAVI offers temperature-screened versions of the AMD E8860 GPU complemented with a full suite of OpenGL SC / ES, video decode, and OpenCL software drivers for real time operating systems, complete RTCA DO-178C / EUROCAE ED-12C Level A certification packages and 20 year program supply management.

The high performance AMD Embedded Radeon™ E8860 GPU offers highly scalable power-performance configurations to address a wide range of mil-aero display requirements ranging from higher powered primary flight displays, photo realistic synthetic vision, and advanced video surveillance to lower powered electronic flight bags, enhanced 2D and moving map applications. Designed for use in a wide variety of embedded and safety critical platforms, CoreAVI's graphics and video software drivers enable system manufacturers to harness the full capabilities of the AMD E8860 GPU, including 2 GB of integrated video memory, multiple independent display outputs, and H.264/MPEG2 Universal Video Decoders.

"CoreAVI's temperature-screened version of the AMD Radeon™ E8860 GPU is the highest performing embedded GPU available on the market today," said Lee Melatti, CEO at CoreAVI. "CoreAVI's investment in the AMD E8860 GPU continues our commitment to design solutions that allow our customers to deliver new operational capabilities to avionics and other high reliability systems."

"AMD and CoreAVI continue to expand their collaboration and product integration efforts to enable support for real time operating systems and mission critical platforms," said Kamal Khouri, director of embedded products at AMD. "AMD is excited that CoreAVI has invested in the development of software drivers, component temperature screening and long term program supply for the new AMD E8860 graphics processor. The combination of the new AMD E8860 GPU and CoreAVI's OpenGL and video drivers offer a new level of high performance capabilities to support next generation embedded display technologies."

"Curtiss-Wright's new rugged VPX3-716 graphics module, based on CoreAVI's temperature screened AMDE8860 GPU and suite of graphics drivers, is currently being evaluated by customers for use in high profile military programs," said Lynn Bamford, Senior VP/GM, Curtiss-Wright Defense Solutions. "CoreAVI's industry proven products are the key to unlocking the performance capabilities of the AMDE8860 GPU on real time operating systems and safety critical platforms."

About Core Avionics & Industrial Inc.

Core Avionics & Industrial Inc. ("CoreAVI"), a Channel One company, provides "program ready" embedded graphics and video processors and advanced graphics solutions 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™ E4690 and E8860 graphics processors and embedded graphics drivers to enable COTS 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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