

Press Release



Abaco Systems and CoreAVI Announce Partnership Extension for Flight-Certifiable Graphics Processing

HUNTSVILLE, Ala.— April 6, 2021 Abaco Systems, Inc. and CoreAVI announced an extension of their partnership through the signing of a licensing agreement that allows Abaco to implement the AMD Embedded Radeon™ E9171 GPU, associated COTS-D hardware IP, and Vulkan graphics and compute capabilities from CoreAVI into a new rugged embedded graphics processor to be produced and delivered by Abaco.

The new offering provides a low-risk solution for systems integrators requiring safety-critical certification for graphics processing in high-integrity visual applications such as cockpit display, navigation, synthetic vision, sensor fusion, as well as critical-process vision and graphics systems in medical, energy, industrial automation and more. This partnership gives customers access to the first-to-market safety critical AMD E9171 GPU as a COTS product designed to meet RTCA DO-254/DO-178C (EUROCAE ED-80/ED-12C) up to Design Assurance Level (DAL) A for flight-certifiable applications in military and civilian aviation. It also supports other process/mission-critical applications that may not require safety certification but still necessitate high performance real-time graphics and compute processing.

“We’re excited to bring the E9171 GPU to our customers,” said Pete Thompson, VP of Product Management at Abaco. “This roadmap upgrade to the E8860 improves performance and reduces power, all while allowing customers to leverage code from legacy OpenGL applications. Our customers count on us to bring the newest technology to market quickly. Our partnership with CoreAVI does exactly that.”

John Muller, Chief Growth Officer at Abaco, said, “More and more, we see avionics suppliers making the switch to off-the-shelf solutions for flight-certifiable applications. As graphics systems are tasked with ever increasing scope of functionality, bringing higher-performance hardware, software, and supporting certification artifacts is critical. Partnering with CoreAVI helps our customers expand their offering and get to market quicker.”

“We’re delighted to partner with Abaco. Their long history of high-quality rugged embedded electronics products made them the ideal choice to bring the E9171 to market for flight certifiable applications,” said Dan Joncas, Chief Sales and Marketing Officer at CoreAVI. “Abaco’s hardware solution, together with our E9171 COTS-D design, DO-254 lifecycle data and our Vulkan-based platform provide integrators with state-of-the-art performance with modern graphics and GPU compute functionality required for today’s safety critical intelligent mission system”.

About Abaco Systems

With more than 30 years' experience, Abaco Systems is a global leader in open architecture computing and electronic systems for aerospace, defense and industrial applications. We create innovative, modular solutions based on open standards that are characterized by outstanding price/performance, ultimate rugged reliability and minimal SWaP. Our goal is to be a significant contributor to our customers' success, partnering with them to reduce cost, time-to-deployment and risk and supporting them over the long term. With an active presence in hundreds of national asset platforms on land, sea and in the air, Abaco Systems is trusted where it matters most.

www.abaco.com

About CoreAVI

CoreAVI is a pioneer in the military and aerospace sector with a proven track record in providing entire software and hardware IP platform solutions that enable safety critical applications. A global leader in architecting safety critical graphics, compute, and video drivers, embedded graphics processors, and DO-254/ED-80 certifiable COTS hardware IP, CoreAVI's suite of products enables the design and implementation of complete safety critical embedded solutions for aerospace, automotive, and industrial applications that achieve the highest levels of safety certification with long-term support.

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