

Artesyn ATCA Technology Selected for Multiple Military Applications

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Military, aerospace and security contractors adopt AdvancedTCA for voice, video and data processing, C4ISR, combat systems, and data center refresh

Tempe, Ariz. [20 October, 2015] — Artesyn Embedded Technologies today announced that its **AdvancedTCA®** (ATCA®) technology has been selected for multiple applications in military deployments. Several Department of Defense branches, prime contractors and system integrators have adopted ATCA for a range of centralized compute systems on board ships, aircraft or in transit cases for command and control tents. Network Equipment Building System (NEBS) standards, which were the foundation for the environmental characteristics of ATCA technology in telecommunications applications, have also been a good foundation for many of these military deployments. In parallel, military and prime contractors are migrating their compute requirements to open standards based equipment to take advantage of a competitive ecosystem of technology providers and help mitigate obsolescence. One of the first deployments was in the latest refresh of a shipboard combat system deployed to coordinate the defense of a battle group. The system takes a variety of radar data and tracks incoming objects, identifies whether it is friend or foe and coordinates the response systems to eliminate any threat. One of the most expensive parts of requalifying new computer systems for such a deployment is the integration of those systems into the shock isolated racks deployed on ships. Artesyn ATCA equipment has passed both simulated and actual afloat shock testing, commonly known as barge tests, and meets all the functional requirements for deployment, including physical size, weight and power consumption. This is crucial because qualifying the chassis and rack creates a foundation for future refreshes, such that Artesyn's military customers will no longer have to swap out the entire system but just upgrade to newer generation of payload blades. Other deployments of Artesyn ATCA technology in military programs include a patrol and reconnaissance aircraft, shipboard anti-air defense system, common ground control station for UAVs and an unmanned marine vessel. Artesyn has published a white paper, **ATCA for Military, Aerospace and Other High Performance Embedded Computing Users**, that addresses the forces driving the requirements of high performance embedded computing (HPEC) for military and aerospace

applications, including the modular open system approach (MOSA), commercial off-the-shelf (COTS), and reduced size, weight, power and cost (SWaP-C) as it applies to ATCA technology. About Artesyn Embedded Technologies Artesyn Embedded Technologies is a global leader in the design and manufacture of highly reliable power conversion and embedded computing solutions for a wide range of industries including communications, computing, medical, military, aerospace and industrial. For more than 40 years, customers have trusted Artesyn to help them accelerate time-to-market and reduce risk with cost-effective advanced network computing and power conversion solutions. Artesyn has over 20,000 employees worldwide across ten engineering centers of excellence, four world-class manufacturing facilities, and global sales and support offices.