

## Artesyn Introduces New High Performance Packet and Server Processing Blade

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Tempe, Ariz. [14 April, 2016] - Artesyn Embedded Technologies has launched a powerful new packet processing and high performance server blade, the **ATCA-7490**, based on the recently **announced** Intel® Xeon® processor E5-2600 v4 product family as well as the Intel® FM10840 high-performance Ethernet switch. Designed for compute-intensive tasks such as deep packet inspection (DPI), firewalls, intrusion prevention and data encryption/decryption, the new blade targets high performance network requirements in commercial, government and defense communications networks. On-board load balancing and filtering functions, hardware accelerated crypto engines and powerful server CPUs combine with multiple 10/40/100G Ethernet switch interfaces to provide a line-rate processing engine. Built around commercial off-the-shelf (COTS) technologies, the bladed architecture follows the US DoD modular open systems approach (MOSA). With scalable performance, ease of maintenance, reduced cabling and multivendor interoperability, the ATCA-7490 provides a migration path and future-proof platform for defense applications in air/shipborne data centers, ground control stations, network data analytics, ad-hoc mobile networks and other C4ISR tasks. By combining an open source operating system, such as Red Hat Enterprise Linux or CentOS, with OpenStack, the ATCA-7490 resources become accessible and sharable in cloud environments. The board design has been optimized for robust computational performance, featuring two Intel Xeon processors with up to 40 CPU cores per board. Data paths to main memory and I/O are highly optimized by the use of DDR4 and PCIe Gen 3 protocols. Memory capacity can scale up to 512 GB allowing for cost optimized configurations as well as for applications with demanding memory requirements as needed in routing decisions or pattern matching. The blade can be combined with optional hardware accelerators directly connected to the CPUs. The accelerators are optimized for assisting encryption/decryption algorithms and can greatly enhance throughput of encrypted data in security applications. 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.