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Computer Systems, Inc.
MERCURY

Ensemble™ AdvancedTCA® Application Platform

The Ensemble™ AdvancedTCA® Application Platform is a standards-based solution built around the power, functionality, and scalability of Serial RapidIO®, AdvancedMC® (AMC), and AdvancedTCA®. By supporting a variety of I/O sources and heterogeneous processing endpoints, the plaform thereby reduces integration costs, improves efficiency, and minimizes risks in design of next-generation applications.

With a large range of chassis and AMCs, Ensemble systems have enormous flexibility to offer exactly the right high-performance system for your density, processing power, and I/O requirements. Our AdvancedTCA solutions range from individual AMCs to systems with 100 FPGAs in a 14-slot chassis. The Ensemble family is a complete AdvancedTCA product line: chassis, carrier blades, switch blades, multiprocessor software, and the widest range of processor AMCs available.

Ensemble systems are deployed across multiple industries to address the toughest applications, such as sophisticated adaptive beamforming for satellite communications, test equipment with multiple processing elements, telecom trials/demo platforms, long-range radar systems, and high-bandwidth low-latency wireless test beds.

FEATURES

✒ Completely integrated 10 Gbps AdvancedTCA system solution

✒ Modular configurations based on AMC form factor

✒ Scalable with 2-, 5- and 14- or 16-slot configurations

✒ Supports hot-swappable AMC modules

✒ Serial RapidIO AdvancedTCA application development and deployment

✒ Fully integrated systems reduce development costs

✒ Flexible modular configurations based on AMC form factor

✒ Production ready, fast time-to-market