



Emerson Network Power

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ATCA-9301 Blade

The ATCA-9301 AdvancedTCA® many-core 10 Gigabit processor blade operates at 10 Gbps full duplex speeds, bringing definitive packet processing performance and improved control plane processing capabilities to 10G applications.

Core processing is performed using two Cavium OCTEON 16-core processors for a total of 32 cores per blade. Targeted applications include network gateway and edge functions, deep packet inspection and control plane applications. By employing multi-threading and parallel processing techniques, the ATCA-9301 brings a new level of performance to ATCA® systems.

Data plane elements in 4G wireless applications, including WiMAX and next-gen IPTV networks, will see dramatic increases in throughput and packet processing with the ATCA-9301 blade.



FEATURES

- Two Cavium OCTEON 5860 processors – 16 750 MHz MIPS64 cores each for high bandwidth packet processing
- Hardware acceleration with thread pinning, security, decompression, regexp, packet queuing, and scheduling
- 10-port Gigabit Ethernet (GbE) rear transition module network interfaces
- Designed to deliver telco-grade reliability
- Comprehensive integration with Emerson ATCA® hardware/software ecosystem for rapid application deployment

For more information, contact: embeddedcomputingsales@emerson.com

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