Motorola Announces Next Generation 10Gbps AdvancedTCA Packet Processing Blade Based on Many-core Technology

Cavium Networks-based architecture designed to deliver line rate packet processing to ATCA 10Gbps arena; Wind River Linux and tools simplify application development and portability

TEMPE, Ariz. – 13 June 2007 – Motorola, Inc. (NYSE: MOT) today announced a powerful new AdvancedTCA® (ATCA®) blade, the ATCA-9301, that incorporates many-core technology developed to provide a substantial increase in performance and functionality for high-bandwidth packet processing applications. It features two Cavium Networks (NASDAQ: CAVM) OCTEON™ sixteen-core processors with built-in hardware acceleration engines, designed to deliver 10Gbps packet forwarding throughput. The blade uses Wind River's Platform for Network Equipment, Linux Edition (PNE-LE) operating system, which includes Cavium's Software Development Kit, providing an integrated tool chain for application development.

The ATCA-9301 is designed to help network equipment providers consolidate infrastructure and lower costs, while accelerating the introduction of high bandwidth, intelligent packet processing applications. The many-core processor with a standard Carrier Grade Linux programming environment allows both conventional programs and packet processing tasks to be handled on the same hardware. Data plane elements that include deep packet inspection, including network gateway and edge functions for 4G wireless and IPTV applications, can now be deployed with high density control plane and security processing functionality on a common platform. This will help network operators to provide new and differentiated services to consumers faster and more cost effectively.

Key ATCA-9301 blade features include:

- Dual Cavium OCTEON CN5860 Many-Core Processing Units (MPUs) with sixteen cores each
- Hardware acceleration for security, de-/compression, packet queuing, and scheduling functions
- Wind River PNE-LE Carrier Grade Linux operating environment
- 10-port Gigabit Ethernet Network Interfaces for operational flexibility

"The ATCA-9301 blade's Cavium-based architecture permits packet processing tasks such as forwarding, packet inspection, and security functions to be done in parallel with control plane tasks at a lower total cost of ownership. This will help providers to spend more time developing the broadest set of applications on a single platform and less time dealing with the power and cooling challenges of conventional communications processors," said Jorge Magalhaes, Director of Marketing, Embedded Communications Computing, Motorola. "By universally servicing both data plane and control plane applications the ATCA-9301 provides a powerful engine to continue the success of

Motorola’s communications servers as one of the most widely adopted common platforms for network equipment."

“As the only Cavium-based ATCA blade supported as a standard part of our Carrier Grade Linux offering, Motorola’s ATCA-9301 enables network equipment providers to source a complete solution from an industry leader. This offering delivers a high performance solution with a smoother path to application development that can be leveraged for multiple projects,” said John Bruggeman, Chief Marketing Officer at Wind River. “With the Device Software Optimization methodology behind our operating systems and tools platforms, Wind River can help application developers take full advantage of the Cavium architecture while also speeding time to market.”

“We are pleased to be able to bring the benefits of many-core processing to ATCA in collaboration with a leader in ATCA technology," said Amer Haider, Director of Strategic Marketing and Ecosystem Development at Cavium Networks. "Our next-generation OCTEON CN5800 series of processors delivers state of the art packet processing and intelligent networking acceleration, with leading performance and performance/watt. Motorola’s OCTEON-based ATCA solution enables network equipment providers to accelerate the cost-effective deployment of enhanced IP and quad-play services."

The ATCA-9301 is available as standalone product or as part of Motorola’s Centellis™ 4000 series of ATCA-based communications servers. Centellis 4000 series communications servers are designed to address high speed I/O and bandwidth intensive applications. Motorola’s communications servers are open, fully integrated and validated systems that act as a common, carrier-grade platform for a wide range of applications. This common platform concept integrates hardware and software elements to enable equipment manufacturers to focus on adding their application-specific value, thereby reducing the time, cost and risk involved in deploying new revenue-generating applications or migrating existing applications to standards-based technology. Motorola offers one of the broadest embedded communications computing product ranges in the industry, extending from individual blades and modules through fully integrated and validated MicroTCA™ and ATCA communications servers. For more information: www.motorola.com/computing.

About Motorola

Motorola is known around the world for innovation and leadership in wireless and broadband communications. Inspired by our vision of seamless mobility, the people of Motorola are committed to helping you connect simply and seamlessly to the people, information and entertainment that you want and need. We do this by designing and delivering "must have" products, "must do" experiences and powerful networks -- along with a full complement of support services. A Fortune 100 company with global presence and impact, Motorola had sales of US $42.9 billion in 2006. For more information about our company, our people and our innovations, please visit http://www.Motorola.com.

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