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Press Release

Fulcrum Microsystems Announces Support for Cavium Networks OCTEON™ II Multicore MIPS64 Processor

Solutions Containing Fulcrum's FocalPoint Lossless Ethernet Switch Chip Family and OCTEON II Processors Offer Unprecedented Performance and Packet Processing Flexibility

CALABASAS, CA. – April 14, 2009 – Fulcrum Microsystems, Inc., a leading provider of 10 Gigabit Ethernet (10GbE) switch chips for use in converged data center fabrics, cloud networking, and telecom fabric applications, today announced support for the OCTEON II processors from Cavium Networks (NASDAQ: CAVM), a leading provider of semiconductor products that enable intelligent processing for networking, communications, storage, wireless, video and security applications.

As a Cavium PACE (Partnership to Accelerate Customer End-solutions) member, Fulcrum is partnering with Cavium to deliver high-performance and highly-scalable application-aware 10GbE fabric solutions. The company's FocalPoint 10GbE switch chip family delivers 200 nanoseconds (ns) of switching latency – a 10X improvement over alternative solutions. This industry-leading latency performance combined with comprehensive congestion management provides support for truly lossless Ethernet fabrics. Fulcrum's high port density, power efficiency and scalability are further enhanced with the use of Cavium's OCTEON II Processor Family. With integrated 10GbE interfaces and a high-performance multi-core processor architecture, the new Cavium OCTEON II Processor Family adds a dimension of programmability and application awareness that was previously unachievable.

"The Cavium OCTEON II processor product line is an important complement to our FocalPoint switch chip family," said Mike Zeile, President and COO of Fulcrum Microsystems. "For customers who want to combine line-rate application processing with FocalPoint's leading 10GbE switching capacity, the OCTEON II is the premiere choice."

“Cavium is pleased to be partnering with Fulcrum to enable next-generation networking platforms,” commented Rajiv Khemani, Vice President and General Manager, Networking and Communications Division, Cavium Networks. “The high performance of Fulcrum’s FocalPoint lossless Ethernet fabrics combined with the high programmability provided by the Cavium OCTEON II Processors enables networking equipment providers to deliver differentiated and extensible platforms that are suitable for the most demanding data center, cloud networking, and broadband access applications.”

The recently announced Cavium Networks next generation OCTEON II Internet Application Processor (IAP) family is designed for the next generation of Hypernetworks serving enterprise, data center, access and service provider markets which require support for converged data, voice and video. The OCTEON II target applications include switches, routers, appliances, equipment for 3G, WiMAX, LTE, wireless LAN, and unified storage systems and adapters. The OCTEON II family integrates 1 to 32 MIPS64 cores, up to 75 Application Acceleration Engines for quality of service, packet processing, TCP, compression, encryption, RAID, de-duplication and regular expression processing, up to 400Gbps of DDR3 memory bandwidth, and up to 100Gbps of network connectivity while consuming only 2W to 60W across the entire family. For more information about OCTEON II please visit: http://www.caviumnetworks.com/OCTEON_II_MIPS64.html.

Fulcrum Microsystems Inc. is a fabless semiconductor company that has developed the FocalPoint family of 10 Gigabit Ethernet (10GbE) switch/router chips for next-generation data center fabric designs. FocalPoint devices offer the industry's lowest latency combined with the fine-grained flow control and high throughput required for converged data center fabrics. With its ControlPoint network OS, Fulcrum offers a complete solution along with a worldwide ecosystem of partners from which storage and clustering system designers can drive adoption of 10GE as the fabric of choice for a fully converged data center. More information can be found at www.fulcrummicro.com.

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