



JumpGen Systems Introduces Multi-Core Processor AMC Based on RMI's Multi-Threaded Processor

The R4M-100 features the RMI XLS416 Integrated Processor Operating at up to 1.2GHz

FOR IMMEDIATE RELEASE

Carlsbad, CA April 22, 2009 – At the RSA Security Conference, RMI Corporation, a leading provider of high-performance processors for communication and media rich applications, and [JumpGen Systems](#) (JumpGen), an agile, innovative supplier of embedded processor board solutions today announces the R4M-100, a packet processing AdvancedMC™ (PrAMC) featuring the RMI® XLS416 Processor with 4 MIPS64 cores and 16 threads running up to 1.2GHz and up to 8GB of ECC DDR2 memory. The R4M-100 supports 8 GigE links including 4 Front Panel and 4 routed to the AMC connector. The R4M-100 may be deployed with 800 MHz, 1.0 GHz, or 1.2 GHz XLS® Processors depending on application performance and power requirements. The RMI [XLS416 Processor](#) also features integrated PCI Express or Serial Rapid IO interfaces, accelerators for security encryption/decryption and compression/decompression, and network hardware acceleration. The R4M-100 features provide a high performance processing platform for deploying wireless and wireline solutions including network security, unified threat management, media gateway and access applications.

R4M-100 Features

- RMI XLS416 Processor featuring four 64 Bit MIPS cores running at 800 MHz, 1.0 GHz or 1.2 GHz
- Up to 8GB of ECC DDR2 memory running up to 800 MHz
- PCI Express x4 Interface to Fat Pipes Lanes 4-7 (AMC.1, Type 4 or Type 1) or SRIO x4 Interface Lanes 4-7 per AMC.4 as a build option
- Dual GigE interfaces to Common Options Lanes 0 and 1 (AMC.2 Type E2)
- Dual GigE interfaces to Fat Pipes, Lane 8, 9 (AMC.2, Type 2)
- Front Panel I/O features Four 10/100/1000BaseT Ethernet, RJ-45s or Four 1000Base-BX SERDES interfaces to Extended Options lanes 17-20 for rear I/O as build option
- Available in both full and mid-size AMC configurations for AdvancedTCA® (ATCA), MicroTCA® and proprietary architecture systems
- RoHS-compliant

“The R4M-100 is our first PrAMC processor board with a 64bit multi-core processor. We believe that this product will be an excellent building block for next generation wireless systems,” said Harry White, JumpGen Systems President. “The R4M-100 offers our customers the option to deploy the latest RMI technology in ATCA, MicroTCA, or proprietary systems that support AMCs.”

“By providing a best-in-class price/performance AMC platform based on the XLS Processors, JumpGen enables customers to quickly build leading edge solutions,” said Mark Litvack, director of business

development, RMI. "XLS provides a level of price/performance and features previously unavailable, and JumpGen's R4M-100 will provide our mutual customers the best solution in a ready to use and robust platform for high performance packet processing for security, routing, switching and wireless markets."

"JumpGen Systems is a leader in AdvancedMC product development and is expanding the ecosystem for AMC.0, AMC.1 and AMC.2 compliant products," said Joe Pavlat, President of PICMG®, the open standards consortium. "We are pleased that JumpGen Systems is developing new products based on PICMG® standards and expanding the ecosystem for AdvancedTCA and MicroTCA."

Availability

The R4M-100 is shipping to select customers in Q2, 2009 and will be generally available in Q3, 2009.

RMI products push the edge of processor technology in performance and integration, and are used by system and original equipment manufacturers to address the infrastructure, enterprise, and consumer markets. The company's [XLR Processor®](#), XLS Processor® and Alchemy® Processor families are based on an innovative MIPS®-compatible architecture creating highly-integrated designs incorporating advanced RMI internal architectures and built on leading-edge silicon process technologies.

About JumpGen Systems:

JumpGen Systems is an agile, innovative supplier of embedded computing solutions. JumpGen Systems features an experienced team of engineers to define, develop and deliver critical embedded computing products for our customers. JumpGen's team has a successful track record in bringing new embedded processor solutions to market, quickly and cost-effectively. The JumpGen Systems' team has delivered production solutions to embedded customers in industry standard form factors such as AdvancedMC™, AdvancedTCA®, CompactPCI®, PMC, XMC, and VME form factors as well as custom, proprietary solutions. JumpGen Systems is a privately held and an employee-owned company headquartered in Carlsbad, California. JumpGen Systems is an Executive Member of PICMG®. For more information, visit www.JumpGen.com

About RMI

RMI Corporation is a fabless semiconductor company providing High-Performance Super System-on-a-Chip (SuperSoC™) Processor solutions for the Infrastructure, Enterprise, and Consumer Media markets. Applications include Wireless, Networking Security, Thin Clients, and Connected Multi-Media. RMI offers a broad platform of advanced MIPS-compatible processor solutions with both 32/64-bit architectures supporting frequencies from 300MHz to 1.3 GHz. RMI is headquartered in Cupertino, CA with branch and subsidiary operations in Texas, France, India, Korea, Japan, Taiwan, Hong Kong and China. More information about RMI can be found on the company's website at www.RMICorp.com.

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