



## **AMCC Announces Titan: 2 GHz Power Architecture Processor for Embedded Applications**

### **SoC Multi-Core Design Delivers Unprecedented Combination of Power and Performance**

SAN JOSE, Calif., May 21, 2007 (BUSINESS WIRE) -- Applied Micro Circuits Corporation (NASDAQ:AMCC), a global leader in embedded Power Architecture(TM) processing, optical transport and storage solutions, is announcing details of its next generation processor core at the In-Stat(R) Spring Processor Forum this week in San Jose. The dual-core Titan, software compatible with AMCC's PowerPC(TM) 440 family, offers over 8000 Dhrystone 2.1 MIPS at 2GHz while dissipating an incredibly low 2.5 Watts per core.

AMCC selected Intrinsity(R) Fast14(R) technology as the basic circuit technology used in the core. Fast14 is a cell-based domino logic family(TM) that delivers substantial power, size and performance advantages over conventional static designs. This enables the multi-core Titan to offer leading-edge performance and low power in a commodity 90 nm CMOS process, while avoiding the cost and complexity of more exotic technologies like silicon on insulator (SOI).

The Titan core from AMCC will be used in a number of products designed to address a wide range of applications that includes wireless communications for WiFi, cellular, and WiMax(R) networks, IP and Ethernet-based data networks, multi-function printing and imaging products and industrial and defense electronics markets.

"Titan is a high-performance, low-power core that can address a wide range of applications," noted Tom R. Halfhill, Senior Editor of Microprocessor Report and a Senior Analyst at In-Stat. "For low-end embedded applications, chip developers could use the single-core version of Titan, while mid- to high-performance applications could employ a dual- or quad-core design. Compatibility with existing Power Architecture processors makes a broad selection of development tools and software available. Titan's flexibility will offer significant benefits to SoC developers and product designers."

"AMCC's design team has done an outstanding job of developing a next-generation multi-core processor that scales to 2.0GHz within a modest power budget of 2.5W per core," stated Linley Gwennap, principal analyst of The Linley Group. "This performance is most impressive coming from a standard bulk CMOS 90 nm process, giving AMCC a cost advantage over competitors that use exotic materials or bleeding-edge manufacturing processes."

"As AMCC's Power Architecture processor business has grown, our customers have asked us to invest in higher performance product offerings to meet their ever increasing need for processing," said Sam Fuller, vice president of marketing for AMCC. "Titan provides a compelling long-term roadmap of increasing performance and integration capabilities, while maintaining the same low power and competitive pricing that customers have come to expect from AMCC," continued Fuller. "The price/performance advantages that Titan delivers will enable our customers to build even more feature-rich products while preserving their existing software investments."

#### About AMCC

AMCC is a global leader in embedded Power Architecture(TM) processing, optical transport and storage solutions. Our products enable the development of converged IP-based networks offering high-speed secure data, high-definition video and high-quality voice for carrier, metropolitan, access and enterprise applications. AMCC provides networking equipment vendors with industry-leading communications processing, Ethernet, SONET and switch fabric solutions. AMCC is also the leading vendor of high-port count SATA RAID controllers enabling low-cost, high-performance, high-capacity storage. AMCC's corporate headquarters are located in Sunnyvale, California. Sales and engineering offices are located throughout the world. For further information regarding AMCC, please visit our web site at <http://www.amcc.com>.

#### Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by words such as expects, anticipates, plans, believes, estimates, will or words of similar meaning. Such forward-looking statements, including statements relating to the products discussed in this press release, are subject to a number of risks and uncertainties, including the risk that the products may not be successfully or timely developed, completed or manufactured or achieve market acceptance, risks relating to general economic conditions, as well as the risks and uncertainties set forth in the Company's Annual Report on Form 10-K, and in the Company's other SEC

filings. As a result of these risks and uncertainties, actual results may differ materially from these forward-looking statements. The forward-looking statements contained in this press release are made as of the date hereof and AMCC does not assume any obligation to update any forward-looking statement, whether as a result of new information, future developments or otherwise.

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