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FOR IMMEDIATE RELEASE

AMCC Sets New Standard for SATA II Hardware RAID with High Performance 3ware 9550SX Controllers

Available now, 3ware 9550SX Hardware RAID controllers set the high water mark for I/O performance

SUNNYVALE, CALIF., Sept. 20, 2005 -- Applied Micro Circuits Corporation (AMCC) [NASDAQ: AMCC], today introduced its next generation of hardware RAID controllers. The 3ware 9550SX is 200% faster than the company's previous generation 9500S, delivering RAID 5 writes at over 380MB/sec and RAID 5 reads at more than 800MB/sec and supports the Serial ATA 2.5 specification and a PCI-X host interface.

The 3ware 9550SX family is based on StorSwitch™, AMCC's seventh generation non-blocking switched fabric storage architecture and comprises the highest performing, most feature-rich hardware RAID controllers developed by the company to date.

The 9550SX feature set also includes StreamFusion, a dynamic cache allocation algorithm for performance optimization in multi-stream sequential I/O applications, StorSave, performance optimization in critical RAID modes, and award-winning Multi-lane connectivity. The new flagship series also delivers increased performance with 3Gb/s wire speeds and Native Command Queuing support (NCQ).

"Serial ATA II has evolved to become a robust, enterprise-ready drive interface and when coupled with the 3ware 9550SX, the solution delivers the critical performance required for high-density computing applications within and beyond the data center," said Faye Pairman, Senior Vice President and General Manager, AMCC Storage Business. "This combination promises to blow open the market for Serial ATA by replacing older technologies with state-of-the-art performance and reliability at a fraction of the cost. AMCC is committed to delivering RAID products that dramatically improve the price/performance paradigm for enterprise and vertical market storage applications as we have once again demonstrated with the introduction of our 3ware 9550SX product line."

The 3ware 9550SX-4LP 4-port kit and the 3ware 9550SX-8LP 8-port kit, both in low profile form factors, are available today with MSRP's of \$395 and \$595 respectively. The 12- and 16-port kits will be available later in 2005 with MSRP's of \$795 and \$995. 3ware 9550SX kits are backed by a 3-year warranty and are compatible with Microsoft® Windows® 2003/XP/2000, Red Hat® Linux, SuSE® Linux, and FreeBSD operating systems.

AMCC Overview

AMCC provides the essential building blocks for the processing, moving and storing of information worldwide. The company blends systems and software expertise with high-performance, high-bandwidth silicon integration to deliver silicon, hardware and software solutions for global wide area networks (WAN), embedded applications such as PowerPC and programmable SoC architectures, storage area networks (SAN), and high-growth storage markets such as SATA RAID. AMCC's corporate headquarters are located in San Diego, California. Sales and engineering offices are located throughout the world. For further information regarding AMCC's 3ware products, please visit our web site at www.3ware.com.

Forward Looking Statements

The statements contained in this press release that are not purely historical and are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. 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 would 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 for the year ended March 31, 2005, and in other filings of the Company with the Securities and Exchange Commission. 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 news release are made as of the date hereof and AMCC does not assume any obligation to update any forward-looking statement.