



For Immediate Release

AppliedMicro APM801xx Energy-Efficient Processor Family Targets 1-Watt Video-Enabled Consumer Devices

Industry's smallest form-factor Power Architecture SoCs enable system developers to introduce full-featured, consumer-class home gateways, smart meters, control panels, NAS and access points

SUNNYVALE, Calif. – May 10, 2010 – Applied Micro Circuits Corporation (NASDAQ:AMCC), or AppliedMicro, a global leader in energy conscious computing and communications solutions, today announced the APM801xx, a product family of energy-efficient embedded processors providing the industry's smallest form factor for a Power Architecture-based product. APM801xx product family supports high performance and a broad range of peripherals for energy-efficient consumer devices ranging from gateways, control panels and energy meters to network attached storage systems, consumer Wi-Fi access points, residential gateways, and connected displays.

Each of the System-on-a-Chip (SoC) devices in the APM801xx family is designed to deliver server-class processing performance for consumer embedded systems that require less than 1W of operating power and low bill-of-material cost. Dramatic increases in volume for user-generated content (UGC) such as photos, music and video require large amounts of storage space and networking performance. Additionally, digital televisions and displays require direct Internet connections for IP content download and streaming of HD video. End-users and manufacturers for newly enabled Over-the-Top (OTT) features such as Hulu, YouTube, or Netflix are sensitive to ease-of-use issues. AppliedMicro's APM801xx family is designed to deliver the performance that enables new applications. In connected displays for example, the APM801xx family serves as network co-processor to a video processing subsystem for Internet downloads.

"We're starting to see the drive toward energy-efficient electronic systems come in the form of government mandates and corporate initiatives but the need for high-performance in a range of consumer applications continues to increase as volumes of digital content being created and accessed by a growing array of convergence devices continues to rise." said Gopi Sirineni, Vice President, Consumer and SMB Business Unit. "AppliedMicro's APM801xx processor family provides best-in-class energy consumption without sacrificing performance for these applications. The power envelope of the APM801xx processor is second-to-none in its class and it allows embedded developers to start their migration toward full-featured, low-cost systems."

The AppliedMicro APM801xx family supports CPU frequencies up to 800 Mhz. High-speed inter-chip and networking connectivity is key to the SoC's delivery of high performance at low power dissipation and each family member is enabled with a number of high-speed interfaces such as PCIe, SATA, GigE, SDIO, TDM and USB 2.0. The high integration and small footprint of the device helps drive minimal bill-of-material costs for embedded platforms. Estimated performance is 1216 Dhrystone MIPS and typical power consumption is ~1W in active mode and 0.3W in standby mode.

"The APM801xx family of SoCs takes a leadership position in smart energy applications by delivering high performance, rich networking capabilities, crypto acceleration, and cost effective peripheral integration in one package" said Martin Manniche, Chairman and CTO [GreenWave Reality](#). "AppliedMicro's proven PowerPC Architecture brings us a rapid development environment, vibrant open source community support, as well as the power required to deliver our innovative and secure energy management platform. This APM801xx family enables next generation smart grid, consumer entertainment, and networked storage devices to move into mainstream price points with unprecedented performance and power efficiency."

"AppliedMicro is answering the call for greater energy efficiency with its APM801xx processor family," said Christos Georgopoulos, CEO of home gateway provider [InAccess Networks](#). "The consumer market demands high performance systems at low cost but many of the embedded processors on the market today can deliver one of the two benchmarks but usually not both. The APM801xx family exceeds target market feature needs at the right BOM to provide a nice balance to our design goals as we look to build systems that don't require heat sinks, cooling fans or extra system costs and allows us to meet 1W system consortium standards."

Availability

The AppliedMicro APM801xx family will come in three variants: 801xx-400, the 801xx-600, and 801xx-800 and will be available in two different packages in 10x10-mm BGA and 14x14-mm BGA. Samples of the processor are expected in June 2010 and full production quantities are scheduled for the third quarter. Pricing is under \$10 for 10,000-unit quantities.

AppliedMicro Overview

AppliedMicro is a global leader in energy conscious computing solutions for telco, enterprise, data center, consumer and SMB applications. With a 30-year heritage as an innovator in high-speed connectivity and high performance embedded processing, AMCC, now AppliedMicro, employs patented Power Architecture SoCs to provide energy efficient products that can deliver up to a 40 percent reduction in power consumption without sacrificing performance. AppliedMicro's corporate headquarters are located in Sunnyvale, California. Sales and engineering offices are located throughout the world. For further information regarding AppliedMicro, visit the company's Web site at <http://www.appliedmicro.com>.

Corporate Contact:

AppliedMicro
Tally Kaplan Porat
(o) 408.702.3139
(c) 408.483.8370
tkaplan@amcc.com

Media Contact:

The Bernard Group
Tom Murphy
(o) 831-661-0260
(c) 831-402-4142
tmurphy@bernardgroup.com

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