

## **Ubicom Boosts Delivery of Multimedia Content over Wireless Home Networks**

*Announces StreamEngine® 5000™ Home Router Reference Design  
with Wireless LAN Intelligent Stream Handling Technology  
to Enable Entertainment-Grade Home Networks*

**Sunnyvale, Calif. – May 10, 2006** – Ubicom®, Inc., a leading provider of embedded processor and software platforms, unveiled a router reference design for its [StreamEngine® 5000™](#) communications and media processor (CMP) today at the E3 Show in Los Angeles, California. The production-level silicon and software solution is designed to enhance the performance of today's faster Wi-Fi home networks, enabling consumers to enjoy next-generation applications such as media streaming, gaming and VoIP throughout their home over a wireless connection.

The new [StreamEngine 5000 reference design](#) features Wireless LAN Intelligent Stream Handling (WISH) technology developed by Ubicom. WISH enhances the consumer's experience for gaming, HDTV and other media applications over a wireless connection by minimizing the disruptive effects of competing traffic on the network and interference from household items such as microwaves. It automatically detects if audio, video or gaming content is being used on the wireless network and gives these applications priority over less time-sensitive traffic such as email or file transfers. It then adjusts priorities on the fly to ensure media content is transmitted without jitter or lag. Because it sustains total network throughput in excess of 200 Mbps, the StreamEngine 5000 with WISH delivers these prioritization benefits on the fastest wireless and in-home wiring technologies available today.

The new reference design supports existing 802.11b and 802.11g Wi-Fi standards and is designed to optimize the speed and range benefits of 802.11n. It supports the Atheros family of wireless radio solutions, enabling device manufacturers to combine the benefits of the StreamEngine 5000's memory-to-memory and multithreaded processor architecture with high-performance wireless technology for the optimum consumer Wi-Fi experience.

"Ubicom's StreamEngine technology perfectly complements the performance offered by Atheros wireless chipsets to ensure that consumers enjoy the full potential of Wi-Fi," said Harpreet Chohan, senior manager of product marketing at Atheros. "Through this collaboration, we're also able to offer device manufacturers a simpler, faster way to integrate quality of service (QoS) into their products."

Ubicom's StreamEngine 5000 CMPs represent a new generation of processors that are specifically designed to meet the stringent requirements for delivering multimedia content to, and within, the digital home. They are ideally suited for the delivery of triple-play services because they allow multiple applications to be independently processed so that they do not interfere with each other. The new reference design further supports the needs of service providers by offering native VoIP support. It also features Ubicom's highly flexible and efficient software reconfigurable interfaces, enabling product designers to easily build different product SKUs, for example, to support different interfaces such as HomePlug AV as well as Wi-Fi.

"Wi-Fi is quickly becoming the connectivity technology of choice for consumers wanting flexible and convenient online access. With the advent of 802.11n, wireless promises to deliver even greater performance and coverage. However, speed and range alone are not sufficient; very low network delays and automatic quality of service are required for acceptable multimedia content delivery," said Keith Morris, Ubicom vice president of marketing. "The StreamEngine 5000 with WISH is specifically designed to ensure that consumers get an even better experience from their wireless networks - and can even be used on wireless devices readily available today to ensure faster, more reliable access to games, video, audio and other next-generation applications."

**Availability**

The StreamEngine 5000 with WISH reference design will be available in June 2006.

**About Ubicom**

Ubicom develops communications and media processor (CMP) and software platforms that address the unique demands of real-time, interactive applications and multimedia content delivery in the digital home. The company provides optimized system-level solutions to OEMs for a wide range of products including wireless routers, access points, VoIP gateways, streaming media devices, print servers and other network devices. Ubicom's unique multithreaded processor design, real-time operating system, and application-level solutions combine to ensure a high-quality user experience with unprecedented ease of use. Ubicom is a venture-backed, privately held company with corporate headquarters in Sunnyvale, California. For more information, visit [www.ubicom.com](http://www.ubicom.com).

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