



New low power stereo audio DAC features advanced digital signal processing with speaker and headphone amps



San Jose, CA, August 27, 2008 - AKM Semiconductor (AKM), the world's premier supplier of audio IC's for professional and consumer markets, today launched the AK4373, a 24-bit stereo DAC with advanced digital signal processing and integrated speaker and headphone amplifiers, designed for portable applications including Bluetooth headphones and personal navigation devices.

The headphone amplifier operates in either differential or single ended-mode, realizing high performance outputs when operating with a low voltage power supply. A pseudo cap-less mode is also supported, eliminating large capacitors for AC coupling. Output power for the headphone amplifier ranges to 90mW into 8 Ω . The mono BTL speaker amplifier drives up to 800mW into 8 Ω .

With advanced digital signal processing (DSP) functions including high pass and low pass filters, stereo separation, 5-band EQ and ALC, the AK4373 provides advanced sound field effects for digital music sources. An analog mixing function enables beep sound inputs and external noise cancellation. The AK4373 features a power supply management function permitting control of circuits block by block, controlled via a 3-wire or I²C μ C interface. The operating voltage of the analog core ranges from 2.2V to 3.6V, from 2.2V to 4.0V for the headphone/speaker amplifier, and from 1.6V to 3.6V for the digital interface.

The AK4373 is available in a small 32-pin QFN package (5mm x 5mm), consuming just 7mW in playback mode. Evaluation boards and samples are available now.

To obtain more information, AKM Semiconductor, 1731 Technology Dr. Suite 500, San Jose, CA 95110 (888-256-7364).

About Audio2go™

The Audio2go™ brand identifies AKM™ products that are designed for portable applications, including mobile phones, media players, digital camera and PDAs. The Audio2go™ brand product family provides a feature rich, single chip solution offering low power consumption and high audio fidelity.

About AKM Semiconductor

AKM Semiconductor (AKMS) is a wholly owned subsidiary of Asahi Kasei EMD Corp. (AKMEMD), Tokyo, Japan. AKMS, located in San Jose, California, offers sales, marketing and design support for North American customers. AKM designs and manufactures CMOS mixed signal integrated circuits for applications including audio, multimedia, data storage, and telecommunications. North American headquarters are located at 1731 Technology Drive, Suite 500, San Jose, CA 95110.