



NEWS

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ESS Technology introduces the SABRE9018Q2C at CES 2015 The World's Highest Performance 32-bit Stereo D/A Converter with integrated headphone amplifier and output switch

A Single Chip Solution Delivering Audiophile Quality Sound to Headphones

FREMONT, California, January 7, 2015 — ESS Technology, a leading provider of high performance audio/video solutions, today announces the SABRE9018Q2C, a 32-Bit Stereo DAC with Headphone Amplifier and ultra-low THD output switch in a compact, 5mm x 5mm package for mobile applications.

The SABRE9018Q2C System-On-a Chip (SOC) delivers an unprecedented performance level of 121dB SNR, -115dB THD+N, at up to 49mW into 32Ω headphones making it ideal for portable products such as mobile phones, tablets, and digital music players.

Using an internal charge pump, the SABRE9018Q2C SOC operates from a single +3.3V supply to produce ground-referenced headphone outputs, eliminating pops and clicks as well as the need for large DC blocking capacitors. The ultra-low THD output switch connects headphones directly to the headphone amplifier or to auxiliary inputs for either voice communications or an alternate music source. The on-board DAC use ESS's 32-Bit HyperStream® architecture that handles up to 32-Bit 384kHz PCM data via SLIMBus, I²S, or DSD-11.2MHz data.

Robert Wong, vice-president of marketing and worldwide sales for ESS Technology, said,

“Existing mobile audio systems require a separate DAC, Headphone Amplifier, and Audio Switch with severe performance degradation. We combined all three functions into a single chip with the SABRE9018Q2C while delivering the highest performance and no degradation all the way to headphones.”

The SABRE9018Q2C SOC is sampling now in a compact 40-QFN, 5mm x 5mm, package. For further information about samples, evaluation boards or product datasheets, please contact your local ESS Sales Representative.

About ESS Technology, Inc.

ESS Technology, Inc. designs and markets high-performance audio and video products for the consumer market.

ESS's SABRE³² audio DAC series is the world's highest performance 32-bit audio D/A converter solution, built upon the original SABRE audio DAC series first introduced in 2008. The SABRE³² and SABRE audio DACs have been designed into the world's most prestigious consumer, audiophile, mobile and professional equipment including Blu-ray players, mobile phones, CD / SACD players, A/V preamps and digital audio workstations.

ESS's products include the SABRE & SABRE³² series of HyperStream® audio DACs and ADCs, the Crescendo series of Sound Bar SoCs, Phoenix-III series of HD-Enhanced DVD Home Theater SoCs, 1080p Video Up-converter, and the DMPX Media Processor.

ESS is headquartered in Fremont, California, and has R&D, sales, and technical support offices worldwide. ESS Technology's web site address is: <http://www.esstech.com>.