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Sigma Launches First UWB Wireless Chipset With Range-Extending Intelligent Array Radio™ Technology

New Windeo™ chipset represents the world's first all-CMOS Ultra-Wideband solution with multiple integrated radios for range extension.

MILPITAS, Calif. and TOKYO - October 3, 2006 – Sigma Designs (Nasdaq:SIGM), a leader in digital media processing for consumer electronics, today announced their Windēo™ Ultra-Wideband (UWB) chipset. The Windēo™ Chipset, along with Sigma's media processors, offer the world's first total solution for high speed wireless A/V streaming aimed at replacing HDMI cable and other Audio/Video cabling for digital home entertainment equipment. The Windeo™ chipset and total solution evaluation board are being showcased starting today at the Combined Exhibition of Advanced Technologies (CEATEC) show in Japan.

“The Windēo™ Chipset with our patent-pending Intelligent Array Radio™ technology can deliver, with superior quality, multiple audio/video streams to digital entertainment systems over highly reliable wireless connections” said Hung Nguyen, Vice President and General Manager of the Wireless Products Division at Sigma Designs, Inc. “We are successfully demonstrating high definition video streaming that is uninhibited by walls, objects or people. It also allows customers to mount their TVs on walls and not have to worry about running the HDMI or analog cables across the room.”

“We are excited to offer customers a versatile and total solution with Sigma's popular media processor chips including reference designs and software so that they can achieve fast time-to-market,” Nguyen added.

While WiFi (802.11) solutions have largely satisfied the need for medium bandwidth data communications, the latest challenge is to address the needs of in-home audio/video entertainment connectivity with the right bandwidth and affordability to handle high-definition video streams. Ultra-Wideband (UWB) technology offers an ideal solution, supporting a maximum data rate of 480 Mbps with high QoS, low power consumption and mainstream consumer pricing.

Sigma's Windēo™ all-CMOS chipset is comprised of two devices: the Windēo™ RF IC (B7CW101) and the Windēo™ Baseband IC (B7CW201) with an integrated PHY, MAC and embedded 32-bit RISC core - both of which are based on the WiMedia Alliance MAC & PHY specifications. The Windēo™ Chipset provides high performance wireless data rates using three bands, centered at 3.43 GHz, 3.96 GHz, and 4.48 GHz, with a spectrum spread of 528 MHz each.

Sigma's patent-pending Intelligent Array Radio™ (IAR) technology extends coverage range while maximizing wireless link reliability and minimizing undesirable interference. IAR technology involves utilizing multiple receive radios to process multi-channel signals which are then subjected to adaptive algorithm that optimizes both amplitude and phase under various channel environments.

Under the current implementation, the Windēo™ RF IC integrates 3 receive radios along with 1 transmit radio and the capability to support a 3-antenna array, establishing a high performance physical layer link. Then, the Windēo™ Baseband IC processes the 3 channels simultaneously and adaptively using the IAR algorithms on wide band signals. A major advantage of the IAR approach is to remain fully compatible with the WiMedia standard and relevant FCC requirements while enhancing basic performance.

The Windēo™ RF IC is packaged in a small footprint 92-pin leadless Bump Chip Carrier (BCC) and supports data rates up to 480 Mbps. The Windēo™ Baseband is packaged in a 304-pin TFPGA. Besides the ability to support both WiMedia framing formats, DRP and

PCA, the Windeo™ Baseband also supports several interfaces including PCI, mini-PCI, DVB-SPI and several local buses. The Windeo™ chipset interfaces are fully compatible with all Sigma's media processors including device driver and applications software.

The Windēo™ chipset engineering samples and the Evaluation Kit with the EM8622L media processor are available now for ordering. Initial production availability is planned for December of this year.

Safe Harbor Statement

This press release may contain forward-looking statements, including statements about the projected timing and extent of customer shipments as well as the expected use of Sigma's MPEG decoder products. Actual results could vary from those projected in the forward looking statements as a result of various factors, including worldwide economic conditions, changes in the customer's ability or desire to complete the rollout, consumer reaction to the new products and services being offered, the ability of Sigma to deliver sufficient quantity and quality of MPEG decoder chips, prices for the Sigma chips, alternative offerings by competitors, and the ability of the parties to work together successfully to achieve the rollout.

About Sigma Designs, Inc. Sigma Designs (Nasdaq: SIGM) specializes in silicon-based media processors for IPTV set-top boxes, digital media receivers, high definition DVD players, HDTV, and portable media players. The company's award-winning REALmagic® Video Streaming Technology is used in a variety of consumer applications providing highly integrated solutions for high-quality decoding of H.264, WMV9, MPEG-4, MPEG-2 and MPEG-1. Headquartered in Milpitas, Calif., the company also has sales offices in China, Europe, Hong Kong, Japan, Korea and Taiwan. For more information, please visit the company's web site at www.sigmadesigns.com.

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