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SyChip Introduces VoIP Processing Engine for Mobile Terminals

Next generation module incorporates VoIP engine to reduce power, footprint and cost

VON, San Jose, Calif. (March 14, 2006) - SyChip, a leader in Radio Frequency Chip Scale Modules (CSM), today introduced SyVoice™ 1000 (SV1000), a Voice-over-Internet Protocol (VoIP) integrated circuit that has been optimized for wireless VoIP applications. The SV1000 device is the newest in the SyVoice family of products targeted to mobile devices such as cell phones, single-mode wireless VoIP phones, PDAs, personal media players and portable gaming consoles. SV1000 combines a high-speed digital signal processor (DSP), A/D and D/A converters and power management logic in a single integrated circuit. SyChip will be located in Booth 1243 at Spring VON 2006 at the San Jose Convention Center.

"SyVoice has seen great acceptance in the industry as a solid solution for mobile VoIP communications. We're excited about the latest achievements here at SyChip with the introduction of our own VoIP processor," said Dr. Moses Asom, co-founder and senior vice president of marketing and business development at SyChip. "The VoIP market is now growing at triple-digit rates and this product is timed perfectly to allow developers to quickly add wVoIP functionality to their end products."

The SV1000 is optimized to execute all of the real-time functions required during a VoIP call including advanced speech coders, jitter buffer, encryption and acoustic echo cancellation. Today many general-purpose processors are used to execute these functions and will consume three-to-five times more power due to the increased MIPS and memory required. The SV1000 consumes only 14mA of current during a call, enabling phones to have talk times of more than eight hours with a typical cell phone battery.

"System cost and power efficiency are playing a large role in the growth of VoIP in handheld markets," said Will Strauss, president of Forward Concepts. "SyChip, by developing their own DSP-based VoIP engine, has taken true strides to deliver a solution that will enable mobile VoIP phones with competitive talk times and price points."

The SV1000 will be used in SyChip's award winning VWLAN71xx family of chip scale modules. The new module the VWLAN7101, measures only 190mm² and consist of the SV1000, an 802.11b/g WLAN modem and is bundled with the SyVoice Software Suite: G.711, G.729A/B, G.723, G.726 VoCoders, SIP 2.0 stack, jitter buffer; call control functions, IPSEC; standard WLAN features such as WMM[®] Quality of Service (QoS), WPA2 security and Bluetooth co-existence. SyChip also provides the driver to support embedded operating systems for mobile devices such as Windows Mobile[®], Linux[®], Nucleus[®] and Rex[®] Operating Systems.

Pricing and Availability

The VWLAN7101 (including the SV1000) will be available for OEM sampling in early Q2 2006. It comes in a near Quad Flat No-Lead package (QFN) that allows for direct attachment to the main printed circuit board using industry standard surface mount technology. Pricing for the module will be \$15 per unit in volumes of 100,000.

For more information on the VWLAN7101 module and the SV1000 integrated circuit or other SyChip product, please visit <http://www.sychip.com/products.htm>.

About SyChip, Inc.

SyChip designs, develops and markets Radio Frequency Chip Scale Modules and Integrated Circuits for the wireless mobile market. The company focuses on developing RF modules that are differentiated due to proprietary integration, modular architectures, and low loss Silicon technologies. As a result of the proprietary integration, world-class RF system design, proprietary multifunction ASICs, software and smart utilities, SyChip's RF designs drastically reduce component count, offer very small footprints and are easy to integrate into a mobile device. Customers benefit by significantly reducing their time-to-market, increasing performance and improving reliability of their wireless devices. SyChip has received multiple awards, including *Internet Telephony's* 2005 Product of the Year, Deloitte's 2005 "Fast 500", the TiEcon 2005 Emerging Star Award, MobileTrax "2005 Mobility Award", finalist for the "2005 *Red Herring* 100", Deloitte's 2004 "Fast 500 Rising Star Award", "Best Wireless Accessory" by *Handheld Computing*, "Start-Up to Watch" by the Fabless Semiconductor Association (FSA), as well as being selected as Investors' Choice award winner at VentureWire's annual MicroVentures conference.

For more information about SyChip, please visit <http://www.sychip.com>.

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