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MIPS Technologies Extends Digital Consumer Leadership With Industry's First HDMI 65nm IP Solution

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MOUNTAIN VIEW, Calif., Feb. 19 /PRNewswire-FirstCall/ -- MIPS Technologies, Inc. , a leading provider of industry-standard architectures, processors and analog IP for digital consumer, home networking, wireless, communications and business applications today unveiled the industry's first 65 nanometer (nm) IP offerings for HDMI (High-Definition Multimedia Interface). MIPS Technologies' solution is uniquely optimized for HDMI connectivity in low power, portable transmit applications -- including digital still cameras, camcorders, portable media players, game consoles and cell phones, as well as digital home receive applications such as high-definition DTVs and display units, A/V receivers and set-top boxes.

HDMI has emerged as the dominant digital interface for a wide array of consumer electronics, representing today's de facto standard for creating high-bandwidth, streamlined connections between digital devices. MIPS Technologies' rare expertise in both high-performance analog IP and connectivity IP solutions -- such as USB -- uniquely positions the company to offer the most comprehensive HDMI IP solution at the most advanced geometries -- including a PHY and digital controller for both transmit and receive applications. Through integration onto the SoC, the company's IP reduces the overall system cost of implementing HDMI in consumer devices and consumes significantly less power than existing standalone HDMI interface chips commonly used today.

The HDMI transmit IP is optimized for today's low power requirements crucial for portable and cell phone applications -- supporting data rates of 1.65 Gbps per TDMS channel (approximately 5 Gbps in total) and video resolutions up to 1080p at 60Hz. The HDMI transmit IP is also available in a version capable of up to 10.2 Gbps for applications demanding higher data rates. The HDMI receive IP integrates configurability options to support data rates up to 10.2 Gbps and video resolutions to 1080p at 120Hz, 1440p and beyond. The HDCP (High-Bandwidth Digital Content Protection) encryption/decryption feature is available as an option. Additionally, the integrated DMA will eliminate the need for a separate audio and/or video interface, allowing autonomous access from the HDMI controller to the audio and video information stored in the SoC system memory.

"MIPS Technologies is plugging into a compelling market trend with a HDMI solution that helps address some of today's real-world digital consumer challenges," said Rich Wawrzyniak, senior market analyst, ASIC & SoC, Semico Research. "HDMI is poised to proliferate rapidly and the demand to transfer HD video content from portable devices, coupled with the need for longer battery life, mean that small area and low power consumption are not only critical but will drive the integration of HDMI onto the SoC. MIPS is offering a valuable proposition for customers to integrate HDMI functionality onto a single SoC with a specification that will meet the industry's power and space requirements."

"MIPS Technologies has long been the undisputed IP leader in the digital home, building a vast ecosystem of consumer electronics leaders in the DTV, DVD and set-top box markets where we continue to lead," said Jose Franca, president and general manager, Analog Business Group, MIPS Technologies. "IP availability will now help fuel the HDMI movement and provide the

configurability options and design flexibility necessary for powerful next-generation, consumer-based SoC designs. With the addition of HDMI IP to our technology portfolio, we can further extend our leadership across yet another major segment within the home, and even more critically, now strongly position our solutions for the portable equipment and cell phone markets."

The Chipidea Advantage -- A decade of IP Leadership

MIPS Technologies' Analog Business Group is the world's number one leader in analog IP. With proven USB solutions now available at 45nm, new HDMI offerings at 65 nm, and other connectivity IP solutions under development -- including DisplayPort, MIPI (Mobile Industry Processor Interface) and UWB (Ultra-wideband) wireless-based solutions, the group has now become the broadest supplier of connectivity, multimedia and wireless interface IP for consumer devices worldwide. The Analog Business Group leads the industry in rapidly porting IP across a wide array of foundries in leading processes, supporting the preferred foundries for both IDMs and fabless semiconductor companies.

Analog Business Group -- Chipidea

Chipidea is the world leader in analog/mixed-signal intellectual property targeting fast-growing market segments, including wireless communications, digital media, consumer electronics, power management, data conversion and connectivity. Chipidea was acquired by MIPS Technologies in August 2007, and today serves as the company's Analog Business Group. Chipidea offers the broadest array of state-of-the-art RF, analog and mixed-signal technologies worldwide with a library of proven IP in today's leading processes across a wide array of foundries. The company's advanced and extensive analog and mixed-signal IP portfolio enables next-generation SoC designers to integrate silicon-proven functionality previously available only to large integrated device manufacturers. Founded in 1997, Chipidea licenses its technology to leading semiconductor companies across all major markets, offering high-precision, single-function blocks to complete analog sub-systems. Based in Lisbon, Portugal, Chipidea can be reached at (+351) 210336300. For more information, visit <http://www.chipidea.com/>.

About MIPS Technologies, Inc.

MIPS Technologies, Inc. is the world's second largest semiconductor design IP company and the number one analog IP company worldwide. With more than 250 customers around the globe, MIPS Technologies powers some of the world's most popular products for the digital consumer, broadband, wireless, networking and portable media markets -- including broadband devices from Linksys, DTVs and entertainment systems from Sony, DVD recordable devices from Pioneer, digital set-top boxes from Motorola, network routers from Cisco, 32-bit microcontrollers from Microchip Technology and laser printers from Hewlett-Packard. Today, the company owns more than 400 patent properties (patents and applications) worldwide. Founded in 1998, MIPS Technologies is headquartered in Mountain View, California, with offices worldwide. For more information, contact (650) 567-5000 or visit <http://www.mips.com/>.

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