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Microchip Introduces the PIC32 Harmony Software Decoder Framework and Microsoft WMA Decoder Library

Eases Development and Increases Flexibility of Consumer Audio Products, Such as Audio Docks, Automotive Head Units and Home Audio Platforms

CHANDLER, Ariz., June 23, 2015 /PRNewswire/ -- [NASDAQ: MCHP] -- Microchip Technology Inc., a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced the [PIC32 Harmony Software Decoder Framework](#) and [Microsoft Windows Media Audio \(WMA\) Decoder Library](#) for 32-bit PIC32 microcontroller (MCU)-based consumer-audio application development within the [MPLAB[®] Harmony Integrated Software Framework](#). The WMA Decoder Library includes a new modular framework for audio decoders, including support for MP3 and AAC, allowing easier audio application development.



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Microchip's Audio Decoder Framework allows for audio software codecs to be easily added to a PIC32 design project. Rather than having to rewrite large sections of application code, the framework allows for easier integration into an existing customer application after the corresponding decoder library has been purchased. The WMA Decoder increases the depth of the library for PIC32 MCU-supported audio decoders, in addition to MP3 and AAC. This increases the range of audio formats that designers can choose to support. The audio decoder framework within the Harmony environment allows designers to easily add, subtract and switch among various software-based audio decoders. Additionally, including a WMA decoder gives developers an even wider set of options and support for audio playback.

The WMA Decoder Library is targeted for low-cost applications in the consumer markets, such as audio docks, home audio receivers and automotive head units. It gives developers added flexibility in decoder options that play back from internal or removable media. The

addition of a WMA decoder library further expands the audio application flexibility of PIC32-based designs, building upon existing USB and Bluetooth® streaming audio solutions.

"The Audio Decoder Framework within the Harmony development environment is intended to reduce the development time for creating a multiple-format audio decoder application," said Rod Drake, vice president of Microchip's MCU32 Division. "Adding support for the WMA Decoder further increases the breadth of the overall PIC32 audio decoder offering."

Development Support

The Microsoft WMA Decoder Library is supported by Microchip's free [MPLAB Harmony Integrated Software Framework](#) and [PIC32 Bluetooth Audio Development Kit](#) (Part # DV320032, \$199.99), both of which are available now.

Pricing & Availability

The Microsoft WMA Decoder Library (Part #s [SW320015](#) and [SW320025-1HPM](#), \$199.97 and \$199.00) is available for purchase today in two variants. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at <http://www.microchip.com/Harmony-062315a>. To purchase products mentioned in this press release, go to [microchipDIRECT](#) or contact one of Microchip's authorized distribution partners.

Resources

High-res Image Available Through Flickr or Editorial Contact (feel free to publish):

- Dev Kit Photo: <http://www.microchip.com/Photo-062315a>
- MPLAB Harmony Graphic: <http://www.microchip.com/Graphic-062315a>

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About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, mixed-signal analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at <http://www.microchip.com/Homepage-062315a>.

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Tags / Keywords: Audio Docks, Audio, MP3, Media Player, WMA Decoder, Audio Framework, Codecs

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