

Windows Media Audio

As an active member in the development and design of Audio application based devices, SEDA Solutions® is a licensee of Microsoft Corporation's Windows Media Audio (WMA) technology.

SEDA Solutions® has implemented the WMA Version 8.0 decoding technology on several programmable platforms. The implementations have focused on maintaining high quality and lowering computational complexity while keeping the data precision to a minimum of required fixed-point bits.

With the knowledge of algorithms and many years of experience in firmware development, SEDA Solutions® has unique insight into many multimedia digital algorithm applications and their transformations onto floating and fixed-point processor platforms. Among many audio coding implementations, such as MP3¹ and AAC² codecs, SEDA Solutions® has achieved considerable success with its WMA decoder implementation.

■ Features

SEDA Solutions® WMA coding implementation services will support all or a selection of the following options:

- Constant Bit Rate
- Variable Bit Rate
- Mono or Stereo
- Bit Rates from 128 kbps to 192 kbps
- Sampling Rates from 8 kHz to 48 kHz
- Versions 7.0, 8.0 and 9.0

■ Quality

Years of firmware services and multiple porting opportunities make SEDA Solutions® one of the leaders in providing high quality WMA codec functionality on your system. Our rigorously tested implementations have been shipped out on several audio consumer products. No matter what the final target platform, SEDA Solutions® WMA firmware services deliver not only high quality decoding but also efficient implementation resulting in optimum usage of memory and clock cycles. Savings in resource utilization ultimately reduce cost and power consumption.

Our fixed-point implementations have met all the WMA standard test vectors. Depending on the choice of memory and clock cycle resources, the coder can be implemented to be in full compliance with respect to the WMA requirements. In addition to precision quality and optimum resource utilizations, SEDA Solutions® offers post-filtering options to enhance the quality of perceived signal. Other service options provided are technical system assistance and follow-on support for safeguarding against lost bit stream data.

For more information on Audio related products and services please visit our web site at www.sedasolutions.com or contact us by email at info@sedasolutions.com.

Audio



¹ Common naming for MPEG-1 and MPEG-2 Audio Encoding and Decoding

² Advanced Audio Coding