RENESAS Tool News

The Sound Compression Library --M3S-SEN-Tiny V.1.00 Release 00-- for the R8C Family Released

We have released the sound compression library for the R8C family, M3S-SEN-Tiny V.1.00 Release 00. This library is available free of charge.

1. Outline

M3S-SEN-Tiny is a sound compression software library, enabling you to introduce sound compression functionality to your systems designed with the R8C family of MCUs. The sound compression algorithm specific to M3S-SEN-Tiny compresses sound data in compact size at high speed using the ADPCM technique (Adaptive Differential Pulse Code Modulation). For example, the library can effectively compress and save sound data inputted from the A/D converter and transmit sound data to another device in reduced size.

The compressed sound data can be expanded using the expansion library or the PC expansion utility tool. Both the library and the PC tool are included in the sound playback system M3S-S2-Tiny. So using this library with M3S-S2-Tiny allows you to easily configure sound recording and playback functionality on your application systems.
For details of M3S-S2-Tiny, go to:
   http://www.renesas.com/mw/s2
  The above URL is that of our global site (in English).

2. Features

 (1) Compresses sound data at high speed using the library-specific
   ADPCM technique:
    - 16-bit PCM data compressed to 4-bit data.
    - Data sampled at 22 kHz compressible in MCUs of the R8C family
      operating at 20 MHz.

(2) Compactly designed for embedded systems:
- Implementable on the on-chip memory of the R8C family.
- Memory consumption: 0.6-Kbyte ROM and 20-byte RAM (approximately)
(3) Includes a sample program of the workspace type of High-performance
Embedded Workshop:
- In the sample program is included a sample driver for receiving
signals from the A/D converter.

Details of M3S-SEN-Tiny and how to get the library are described in the
Web page of the library. To see the Web page, go to:

http://www.renesas.com/mw/sen

This site will be opened from Septmber 5 on.
The above URL is that of our global site (in English).