RENESAS Tool News

The Peripheral I/O Supporting Tool Peripheral Driver Generator V.1.02 Published

We have published the supporting tool to develop the driver --Peripheral Driver Generator--for on-chip peripheral I/O module of the M16C/60, M16C/Tiny, H8 300H/Tiny, and R8C/Tiny series of MCUs.

1. Outline

The Peripheral Driver Generator is a tool that supports of a driver for a peripheral I/O module in a microcomputer. The Peripheral Driver Generator, which contains peripheral I/O module API libraries, allows users to design and automatically generate functions for calling the libraries via its user interface.
The supported microcomputers are the M16C/Tiny, H8/Tiny, R8C/Tiny series, and main groups of the M16C/60 series.

For details of the specifications of the product, see its datasheets from here.
(available on and after December 5, 2007)

2. Features
The main features of the product are as follows:
- Automatically generates functions to call Renesas Embedded Application Programming interface for peripheral functions of MCUs using GUI.
- Enables you to develop application programs easily by calling C-language functions generated using the Peripheral Driver Generator with the High-performance Embedded Workshop.
- Provides facilities for replacing MCUs one another.

3. MCUs and Peripheral Functions Supported
(1) MCUs supported
- M16C/62P Group, M16C/60 Series

- M16C/28, M16C/28B, and M16C/29 group, M16C/Tiny series
  - R8C/13, R8C/22, R8C/23, R8C/24, R8C/25, R8C/26, R8C/27, R8C/28,
    R8C/29, R8C/2A, R8C/2B, R8C/2C, and R8C/2D Group, R8C/Tiny Series
  - H8/3687, H8/36077, H8/36049, and H8/36109 group,
                    H8/300H Tiny series

(2) Peripheral functions supported
  - Serial: Synchronous and asynchronous
  - Timer: Timer, event counter, input capture modes, etc.
  - I/O port: I/O settings
  - Interrupt: Interrupt settings
  - A/D converter: Single-shot, repetition, single-sweep modes, etc.

4. Host System Requirements
  Computer: IBM PC/AT or compatible
  OS: Windows XP or Windows 2000

5. How to Get the Product
  Download the product free of charge from the Web site at
   http://www.renesas.com/pdg_download
  (available on and after December 5, 2007).