RENESAS Tool News

The E8 Emulator Software Revised to V.2.09 Release 02

We have revised the software for the E8 on-chip debugging emulator from V.2.09 Release 01 to V.2.09 Release 02. The emulator software and emulator are used for emulating the M16C and H8 families of MCUs.

1. Descriptions of Revision

1.1 Emulator Debuggers Revised

The emulator debuggers included in the E8 emulator software V.2.09 Release 02 have been revised to those listed below.
- The R8C/Tiny E8 emulator debugger V.2.05.02
- The M16C/Tiny, M16C/62P E8 emulator debugger V.2.01.02
- The M32C/80 E8 emulator debugger V.2.01.02
- The H8/300H Tiny, H8/300H Super Low Power, H8/300L Super Low Power E8 emulator debugger V.1.04.00

1.2 Supported MCUs Increased

The following MCUs have been added to the support line:

(1) In the R8C/Tiny series:
    R5F212A7 and R5F212A8 (the R8C/2A group)
    R5F212B7 and R5F212B8 (the R8C/2B group)
    R5F212C7 and R5F212C8 (the R8C/2C group)
    R5F212D7 and R5F212D8 (the R8C/2D group)

(2) In the H8/300H Super Low Power series:
    MCUs of the H8/38776 group

(3) In the H8/300L Super Low Power series:
    MCUs of the H8/38704 group

1.3 The High-performance Embedded Workshop Updated

The High-performance Embedded Workshop included with the product

has been updated directly from V.4.01.01 to V.4.02.00.
For details of this version, see the following:
   RENESAS TOOL NEWS Document No. 061216/tn2

1.4 Support for Windows Me and Windows 98 Discontinued

We will discontinue support for Windows Me and Windows 98 from this
version on. So the E8 emulator software cannot be installed into these OSes.
For details, see the following:
RENESAS TOOL NEWS Document No. 061001/tn6

1.5 Functions Improved and Introduced

(1) In the H8/300H Tiny, H8/300H Super Low Power, H8/300L Super Low
   Power E8 emulator debugger
   - When the user's program is loaded in the on-chip flash memory
     of the target MCU, a warning message is dispatched if part of
     the user's program is fallen into the firmware area of the memory.
   - An option has been introduced which prohibits the emulator
     system from halting the program during its execution when the
     user would not intend halting it.*

     *In the previous versions, the emulator system automatically
      halts and resumes the execution of the user's program to
      reference and modify data if the Memory window is updated or
      the values of variables are displayed by the Instant Watch
      function during execution of the user's program.
      In this version, such functions as referencing and modifying
      data during execution of the user's program can be enabled or
      disabled by one operation.

1.6 Problems Fixed

The following known problems have been fixed:
(1) In the M16C/Tiny, M16C/62P E8 emulator debugger
   Loading object files in the Memory Expansion mode
   may cause "Communication timeout error" to arise.
   For details, see the following:
     RENESAS TOOL NEWS Document No. 070201/tn4

(2) In the M32C/80 E8 emulator debugger
   - If the values of the CANi slot buffer select registers, C0SBS,
     C1SBS, and C2SBS, are expanded in bit levels and referenced in
     the IO window, values of the three bits from bit 5 to bit 7 are
     displayed instead of values of the four bits from bit 4 to bit 7.
   - The DMA2 request source select register (DM2SL) and the DMA3

request source select register (DM3SL) are not provided in the
IO window.
For details of the above items, see the following:
  RENESAS TOOL NEWS Document No. 061216/tn7

2. How to Update Your Product

Free-of-charge online update is available. If you are using the product
concerned, download either of the two update programs of the product
explained in NOTICE 2 below from the Web site and execute it.
 This site will be opened from this February 21 on.

NOTICES:

1. The above URL is that of our global site (in English). The regional
   site will be opened two or three days after the above date.
2. You can select an update program out of two: the full-package and
   the debugger-package edition. The former contains a full set of the
   emulator debuggers for the E8 emulator, the High-performance Embedded
   Workshop, the evaluation version of the C compiler package, the
   AutoUpdate utility, and the user's manual. Note, if you select the
   latter, that it contains the emulator debuggers for the E8 emulator
   and the High-performance Embedded Workshop only.
3. If the update program is installed in the system where the High-
   performance Embedded Workshop V.4.01.01 or earlier resides,
   it will be upgraded to V.4.02.00.