

RENESAS TOOL NEWS on February 1, 2009: 090201/tn8

## M16C R8C E100 (Previous M16C E100) Emulator Software Revised to V.1.01 Release 00

We have revised and renamed M16C E100 Emulator Software V.1.00 Release 00, which runs on the E100 emulator, to M16C R8C E100 Emulator Software V.1.01 Release 00.

Note that the product's name has been changed as described above.

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### 1. Descriptions of Revision

#### 1.1 Supported MCUs Increased

The following MCUs have been added to the support line:

In the M16C/60 series, M16C family:

R5F364A6, R5F364AE, and R5F364AM; and  
R5F36506, R5F3650E, R5F3650K, R5F3650M, R5F3650R, and R5F3650T

In the R8C/3X series, R8C family:

R5F21321A, R5F21322A, and R5F21324A;  
R5F21331A, R5F21332A, R5F21334A, R5F21335A, and R5F21336A;  
R5F21346E, R5F21347E, R5F21348E, R5F2134AE, and R5F2134CE;  
R5F21346F, R5F21347F, R5F21348F, R5F2134AF, and R5F2134CF;  
R5F21346G, R5F21347G, R5F21348G, R5F2134AG, and R5F2134CG;  
R5F21346H, R5F21347H, R5F21348H, R5F2134AH, and R5F2134CH;  
R5F21354A, R5F21355A, R5F21356A, R5F21357A, R5F21358A,  
R5F2135AA, and R5F2135CA;  
R5F21368E, R5F2136AE, and R5F2136CE;  
R5F21368F, R5F2136AF, and R5F2136CF;  
R5F21368G, R5F2136AG, and R5F2136CG;  
R5F21368H, R5F2136AH, and R5F2136CH;  
R5F21388E, R5F2138AE, and R5F2138CE;  
R5F21388F, R5F2138AF, and R5F2138CF;  
R5F21388G, R5F2138AG, and R5F2138CG; and  
R5F21388H, R5F2138AH, and R5F2138CH

## 1.2 Functions Introduced

The following functions have been introduced:

(1) Detecting stack access violation

Stack access faults can be detected as exceptions of the break and trace functions.

Note, however, that if the R0E530640MCU00 (an MCU unit for the M16C/64 group) is used, this function cannot be performed.

(2) Using the "emulator\_information" command

The "emulator\_information" command has been introduced to check the emulator status. If you execute this command while debugging programs, you can know the status of the emulator whose name was displayed in the log at the start of debugging.

(3) Outputting trigger signals

Trigger signals can be outputted manually or when events have been established. They are outputted from the trigger-cables as either high- or low-level signals.

### NOTICES:

To use this function, you need to install High-performance Embedded Workshop V.4.05.00 or later (it's V.4.05.01 on February 5) aside from High-performance Embedded Workshop V.4.04.01, which is included in the revised emulator software and to use the external trigger cable R0E001000EXT00 (for E100 emulator).

To download the latest version, go to:

[http://www.renesas.com/hew\\_download](http://www.renesas.com/hew_download)

For the external trigger cable, refer to the following document.

[http://documentation.renesas.com/eng/products/tool/rej10j1817\\_r0e001000ext00\\_u.pdf](http://documentation.renesas.com/eng/products/tool/rej10j1817_r0e001000ext00_u.pdf)

## 2. How to Update Your Product

Online update is available free of charge. Update yours in either of the following ways:

(1) Use AutoUpdate Utility (available on and after February 5).

(2) Download the update program of the product from:

[http://www.renesas.com/e100\\_download](http://www.renesas.com/e100_download)

Then execute it.

**NOTICE:**

If the update program is executed in the development system where High-performance Embedded Workshop V.4.04.00 or earlier resides, it will be updated to V.4.04.01.

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