

RENESAS TOOL NEWS on July 1, 2007: 070701/tn7

## The Debuggers for the M32C/90, M32C/80, and M16C/80 MCU Series Revised to V.1.03 Release 00

We have revised the debuggers for the M32C/90, M32C/80, and M16C/80 MCU series from their V.1.02 Release 00 to V.1.03 Release 00 as follows:

- M32C PC7501 emulator debugger V.1.03 Release 00
  - M32C PC4701 emulator debugger V.1.03 Release 00
  - M32C compact emulator debugger V.1.03 Release 00
  - M32C FoUSB/UART debugger V.1.03 Release 00
  - M32C simulator debugger V.1.03 Release 00
- 

### 1. Descriptions of Revision

#### 1.1 Functions Introduced and Improved

- (1) The disconnect function is usable.
- (2) If an instruction that has been re-written in line-assembling is shorter in length than before, the differentials are compensated by NOP instruction.
- (3) When displaying disassembled code in the Disassembly, Trace, and other windows, the instruction format specifier is provided for each instruction.
- (4) Values can be assigned to bit-field members.
- (5) Data size is selectable to display enumeration variables.
- (6) After the user program has been loaded on the target MCU, the debugger resets its automatically.
- (7) The Data Trace window is usable in the M32C compact emulator debugger.

For details of the other revised items in each debugger, see the version report in its release note.

## 1.2 High-performance Embedded Workshop Updated

High-performance Embedded Workshop bundled with each debugger has been updated from V.4.01.01 to V.4.03.00.

For details of the descriptions of revision of the IDE, see the following:

- RENESAS TOOL NEWS Document No. 061216/tn2, published on December 16, 2006.
- RENESAS TOOL NEWS Document No. 070701/tn3, published on July 1, 2007.

(Available on and after July 5.)

## 1.3 Problems Fixed

The following known problems have been fixed:

- (1) On debugging programs that use the watch-dog timer function  
For details, see RENESAS TOOL NEWS Document No. 060916/tn6, published on September 16, 2006.
- (2) With updating debuggers using the AutoUpdate Utility  
For details, see RENESAS TOOL NEWS Document No. 061216/tn6, published on December 16, 2006.
- (3) With referencing values of IO register in the IO window  
For details, see RENESAS TOOL NEWS Document No. 061216/tn7, published on December 16, 2006.
- (4) With loading target programs on MCUs  
For details, see RENESAS TOOL NEWS Document No. 070416/tn8, published on April 16, 2007.
- (5) With the Tooltip Watch function  
For details, see RENESAS TOOL NEWS Document No. 070601/tn5, published on June 1, 2007.

For the problems fixed in the revisions of High-performance Embedded Workshop, see the two items of RENESAS TOOL NEWS listed in Section 1.2 above.

## 2. How to Update Your Debugger(s)

Free-of-charge online update is available for any of the debuggers concerned using AutoUpdate Utility.

The update service will be available on and after July 6.

And for any of the following, you are able to update yours by downloading the update program from the Web site concerned and executing it:

- M32C PC7501 emulator debugger

- M32C PC4701 emulator debugger
- M32C compact emulator debugger
- M32C FoUSB/UART debugger

**Note:**

The M3A-0665 FoUSB is used with this debugger, has been discontinued in December 2007.

Please use E8a emulator which is the successor product to M3A-0665 FoUSB if needed.

These Web sites will be opened from July 5 on.

**Attention:**

**Change in Download Function and Product Information Pages**

Since June 1st, 2007, download data and product information have only been updated on the Renesas global web site (<http://www.renesas.com/homepage.jsp>), not our regional web sites. For the latest versions of download data and product information, please visit our global web site.

This is a temporary situation and regional web sites will be updated once again by the end of August.

Technical documentation and Tool News newsletter are not effected by this temporary situation and you can still find the latest support information on both our regional and global web sites.

Thank you for your understanding.

---

**[Disclaimer]**

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.

© 2010-2016 Renesas Electronics Corporation. All rights reserved.