

RENESAS TOOL NEWS on September 16, 2006: 060916/tn9

## The Debuggers for the M16C/60, /30, /20, /10, /Tiny, and R8C/Tiny MCU Series Revised to Their V.1.02 Release 00

We have revised the debuggers for the M16C/60, /30, /20, /10, /Tiny, and R8C/Tiny series of MCUs to those listed below.

- The M16C R8C PC7501 emulator debugger V.1.02 Release 00
  - The M16C PC4701 emulator debugger V.1.02 Release 00
  - The M16C R8C compact emulator debugger V.1.02 Release 00
  - The M16C R8C FoUSB/UART debugger V.1.02 Release 00
  - The M16C R8C simulator debugger V.1.02 Release 00
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### 1. Descriptions of Revision

#### 1.1 Functions Introduced and Improved

- (1) Capable of debugging programs that use the real-time OS M3T-MR30/4 (conforming to uITRON 4.0 specifications)
- (2) Supporting ELF/DWARF2-formatted object files generated using the KPIT GNU16C cross-tool kit, published by KPIT Cummins Infosystems Limited.

For the other modifications, see the version reports in each debugger's release note.

#### 1.2 The Update of the High-performance Embedded Workshop

The High-performance Embedded Workshop included with the above debuggers has been updated from V.4.00.03 to V.4.01.01. For details of the descriptions of revision in the updated High-performance Embedded Workshop, see the following items of RENESAS TOOL NEWS:

- The High-performance Embedded Workshop (IDE) Revised to V.4.01.00 (Doc. NO. 060701/tn1).

- The High-performance Embedded Workshop Revised to V.4.01.01 (Doc. NO. 060801/tn1).

### 1.3 Problems Fixed

The following known problems have been fixed:

- (1) For the problems fixed by the revision of the High-performance Embedded Workshop to V.4.01.00 and that to V.4.01.01, see the items of RENESAS TOOL NEWS listed in Section 1.2.
- (2) On using tool chains manufactured by IAR Systems Inc.  
For details, see RENESAS TOOL NEWS No. RSO-DebuggerPackage\_1-051016D.
- (3) On referencing member variables of a structure, union, or class  
For details, see RENESAS TOOL NEWS No. RSO-M3T-PD32RM-060116D.
- (4) On using the coverage measurement utility  
For details, see RENESAS TOOL NEWS No. RSO-PC7501-060216D.

## 2. How to Update Your Products Free of Charge

To any of the revised products concerned, yours can be updated using the AutoUpdate utility free of charge.

For the following debuggers, you are able to update yours by downloading their update programs from the download sites listed below and executing them:

- The M16C R8C PC7501 emulator debugger
- The M16C PC4701 emulator debugger
- The M16C R8C compact emulator debugger
- The M16C R8C 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 download sites will be opened on and after this September 21.

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