RENESAS Tool News

Emulator Debuggers
M3T-PD308F, M3T-PD30F, M3T-PD308,
and M3T-PD30 Upgraded

We have upgraded emulator debuggers. The upgraded products and their versions are as follows:

Emulator debuggers used with the PC7501 emulator:
* M3T-PD308F V.3.00 Release 1 for the M32C/80 and M16C/70 series MCUs
* M3T-PD30F V.2.00 Release 1 for the M16C/60 and M16C/20 series MCUs
Emulator debuggers used with the PC4701 emulator:
* M3T-PD308 V.5.00 Release 1 for the M32C/80 and M16C/80 series MCUs
* M3T-PD30 V.8.00 Release 1 for the M16C/60, M16C/30, M16C/20, and M16C/10 series MCUs

1. **Descriptions of Upgrade**

   1.1 Improvements Introduced
   - To all the products:

     (1) Providing the functions of splitting a window vertically, editing text in place, and highlighting modified data in the Memory, RAM Monitor, ASM Watch, and C Watch windows.

     (2) Capable of back scroll in DIS mode in the Program and Source windows.

   - To the M3T-PD308F and M3T-PD30F only:

     (1) Providing the RAM Monitor Area Setting window for adding, deleting, and changing RAM monitoring areas.

   - To M3T-PD30F and M3T-PD30 only:

     (1) Supporting C++ debugging functions when IAR Systems' EWM16C C compiler is used.

   - To the M3T-PD308F only:

(1) Supporting the M32C/80, 84, and 85 group MCUs; and the M16C/70 group MCUs coming with 772-KB ROM.

1.2 Problems Fixed

The following known problems have been fixed:

(1) On designating an interrupt generation as an event at setting a hardware breakpoint or trace point (in the M3T-PD308F only):
When an interrupt generation is designated as an event in the Hardware Breakpoint Setting or Trace Point Setting window, the specified hardware breakpoint or trace point cannot perform its function.
For details, see MAEC TOOL NEWS "A Note on Emulator Debugger M3T-PD308F" issued on November 16, 2002.

(2) On downloading ELF/DWARF2.0-formated object files (in the M3T-PD308F and M3T-PD308 only):
When the symbol information of ELF/DWARF2.0-formated object files created by the EWM32C C/C++ compiler is being downloaded, the compiler may be terminated abnormally.
For details, see MAEC TOOL NEWS "A Note on Using Emulator Debuggers M3T-PD308F V.2.00 Release 1 and M3T-PD308 V.4.00 Release 1" issued on February 1, 2003.

(3) On using the MR STK command (in the M3T-PD308F and M3T-PD30F only):
Measuring a task's stack usage by using the "MR STK, SYS" or "MR STK, TSK" command brings an incorrect result.

(4) On using the Coverage window, the CV FUNC, and the CV TOTAL command (in the M3T-PD308F and M3T-PD30F only):
Coverage measurement results may incorrectly be displayed when the Coverage window, the CV FUNC, and the CV TOTAL command are used.
For details of (3) and (4), see MAEC TOOL NEWS "Notes on Using Emulator Debuggers M3T-PD308F and M3T-PD30F" issued on March 1, 2003.

(5) On using the MR trace window (in the M3T-PD30F only):
When the MR trace window is opened to display the execution history of a task, the error message saying "The interrupt handler has issued a system call that can only be issued from tasks." may appear, resulting in the incorrect execution history being displayed.
For details, see RENESAS TOOL NEWS "A Note on Using Emulator Debugger M3T-PD30F V.1.00 Release 1" issued on April 1, 2003.

2. **How to Upgrade the Current Products and Order the Upgraded Ones**

2.1 Online Upgrade (without Charge)

Please download the upgraded product you want from HERE.

2.2 First ordering or upgrading by CD-ROM (with Additional Charge)
Upgrade service in CD-ROM is also available. When you place an order please furnish the following information to your local Renesas Technology sales office or distributor:

[First Ordering]

Product Type :

Version No.   :

Release No.   :

Host OS   : Windows XP, Windows Me, Windows 98, Windows 2000, or Windows NT 4.0

NOTICE:
Please be aware that on Windows 95 we don't ensure the operations of the M3T-PD308F, M3T-PD30F, M3T-PD308, and M3T-PD30.

[Upgrading by CD-ROM]
Please let us know your product's license ID or Serial No. besides the above information.