

A Note on Using the High-performance Embedded Workshop --On Using the RAM Monitoring Function in the ASM Watch Window--

Please take note of the following problem in using the High-performance Embedded Workshop:

- On using the RAM monitoring function in the ASM Watch window

1. Versions Concerned

High-performance Embedded Workshop V.4.00.00--V.4.00.03

The High-performance Embedded Workshop is bundled with the software products (a C compiler and others) that support it.

2. Description

After performing the procedures listed below with virtual desktops being used (*1) to display the ASM Watch window and the RAM monitoring function made effective (*2), the values of the watch points added to the ASM Watch window cannot automatically be updated even when they have been modified according to program execution.

- (1) Open the ASM Watch window to add watch points before loading the program into the target system.
- (2) Make the RAM monitoring function effective.
- (3) Switch to any virtual desktop in which the ASM Watch window is not being displayed; then load the program into the target system.
- (4) After loading the program, switch from the virtual desktop to the one where the ASM Watch window is being displayed.

(At this time, though valid watch points have been entered, the warning "not active", which says a watch point is invalid, may appear in each data field of the lines in which watch points have been entered.)

(5) Then start the execution of the program.

*1. The virtual desktop function is the one that saves the maximum of 4 types of window placement (virtual desktop) in the High-performance Embedded Workshop and switches between them.

To select a virtual desktop, open the Window menu and select the virtual desktop you want to display in the Virtual Desktop submenu, or click one of the four Desktop buttons on the Status bar.

*2. Right-click an unoccupied area of the ASM Watch window to open the pop-up menu; then check the RAM Monitor - > Enable RAM Monitor check box. The RAM monitoring function will be made effective.

3. Conditions

This problem occurs if any one of the versions concerned is used together with any of the following debuggers:

(1) The simulator debugger bundled with the C compiler package

M3T-NC308WA V.5.40 Release 00

(for the M32C/90, M32C/80, and M16C/80 series)

(2) The simulator debugger bundled with the C compiler package

M3T-NC30WA V.5.30 Release 02--V.5.40 Release 00A

(for the M16C/60, M16C/30, M16C/20, M16C/10, M16C/Tiny, and R8C/Tiny series)

(3) The M16C R8C simulator debugger bundled with the E8 emulator software V.2.00 Release 00--V.2.06 Release 00

(4) The M16C R8C simulator debugger V.1.00 Release 00--V.1.01 Release 00

managed by the High-performance Embedded Workshop

(5) The M16C R8C PC7501 emulator debugger

- V.1.00 Release 00--V.1.01 Release 00
managed by the High-performance Embedded Workshop
- (6) The M16C PC4701 emulator debugger
V.1.00 Release 00--V.1.01 Release 00
managed by the High-performance Embedded Workshop
- (7) The M16C R8C compact emulator debugger
V.1.00 Release 00--V.1.01 Release 00B
managed by the High-performance Embedded Workshop
- (8) The M16C R8C FoUSB/UART debugger
V.1.00 Release 00--V.1.01 Release 00
managed by the High-performance Embedded Workshop
- (9) The M32C simulator debugger
V.1.00 Release 00
managed by the High-performance Embedded Workshop
- (10) The M32C PC7501 emulator debugger
V.1.00 Release 00
managed by the High-performance Embedded Workshop
- (11) The M32C PC4701 emulator debugger
V.1.00 Release 00
managed by the High-performance Embedded Workshop
- (12) The M32C compact emulator debugger
V.1.00 Release 00--V.1.00 Release 02
managed by the High-performance Embedded Workshop
- (13) The M32C FoUSB/UART debugger
V.1.00 Release 00
managed by the High-performance Embedded Workshop
- (14) The simulator debugger bundled with the C compiler
package
M3T-ICC740 V.1.01 Release 01
(for the 740 family)
- (15) The simulator debugger bundled with the assembler
package
M3T-SRA74 V.4.10 Release 02
(for the 740 family)
- (16) The 740 simulator debugger
V.1.00 Release 00
managed by the High-performance Embedded Workshop
- (17) The 740 PC4701 emulator debugger

V.1.00 Release 00

managed by the High-performance Embedded Workshop

(18) The 740 compact emulator debugger

V.1.00 Release 00

managed by the High-performance Embedded Workshop

(19) The H8/300H Tiny compact emulator debugger

V.1.00 Release 00--V.1.01 Release 00

managed by the High-performance Embedded Workshop

4. **Workaround**

When using the RAM monitoring function in the ASM Watch window, load the program into the target system with the virtual desktop displaying the ASM Watch window being selected.

5. **Schedule of Fixing the Problem**

We plan to fix this problem in the next release of the product.

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