H8S/Tiny H8S/2400 E100 Emulator Software

V.2.00 Release 00

Release Notes

Thank you for purchasing our product. There are several precautions which need to be taken while using this product.

Please also read the precautions on the High-performance Embedded Workshop described in the

High-performance Embedded Workshop Release Notes.

Contents

1.   MCU Unit and Target MCU

Table 1.1 shows the names of the MCU unit and target MCU for the H8S/Tiny H8S/2400 E100 emulator software.

Table 1.1   MCU Unit and Target MCU

MCU Unit	Target MCU		
	Series	Group	MCU[1] [2]
R0E420000MCU00	H8S/Tiny	H8S/20103	R4F20102, R4F20103
		H8S/20115	R4F20114, R4F20115
		H8S/20203	R4F20202, R4F20203
		H8S/20215	R4F20214, R4F20215
		H8S/20223	R4F20222, R4F20223
		H8S/20235	R4F20234, R4F20235
R0E424270MCU00	H8S/2400	H8S/2425	R4F24255, R4F24256, R4F24258, R4F24259
		H8S/2427	R4F24275, R4F24276, R4F24278, R4F24279
		H8S/2427R	R4F24275R, R4F24276R, R4F24278R, R4F24279R

*1: This is the MCU of the H8S/Tiny series selectable from the [Device] drop-down list box in the

[Device setting] dialog box.

*2: The names of the H8S/2400-series MCUs shown in the [Device] drop-down list box of the

[Device setting] dialog box are in the form of "MCU name_number of pins".

2.   Descriptions of Version

2.1   Emulator Software Revised

We have revised and renamed H8S E100 Emulator Software V.1.00 Release 00 to H8S/Tiny H8S/2400 E100 Emulator

Software V.2.00 Release 00.

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

2.2   Supported MCUs Increased

The following MCUs have been added to the support line:

-In the H8S/2400 series

(1) R4F24255, R4F24256, R4F24258, and R4F24259 (the H8S/2425 group)

(2) R4F24275, R4F24276, R4F24278, and R4F24279 (the H8S/2427 group)

(3) R4F24275R, R4F24276R, R4F24278R, and R4F24279R (the H8S/2427R group)

2.3 Problem Fixed

The following known problem has been fixed:

The user program breaks at indefinite places other than breakpoints.

For details of the problem, see Renesas Tool News Document No. 100616/tn5 at:

http://tool-support.renesas.com/eng/toolnews/100616/tn5.htm

2.4 High-performance Embedded Workshop Updated

The High-performance Embedded Workshop included in the package have been updated from V.4.06.00 to V.4.07.01.

3. Note

3.1 Installing the H8S/Tiny H8S/2400 E100 Emulator software

H8S/Tiny H8S/2400 E100 Emulator Software V.2.00 Release 00 contains High-performance Embedded Workshop V.4.07.01. When H8S/Tiny H8S/2400 E100 Emulator Software V.2.00 Release 00 is installed on the host computer where V.4.07.00 or earlier versions has been installed, the High-performance Embedded Workshop will be updated to V.4.07.01.

3.2 Restriction on the Use of Software Breakpoints in Areas That Depend on the Settings of the RAME and EXPE[*3] Bits in H8S/2400 MCUs

[Restriction]

Do not set or delete software breakpoints while the user program is running. Setting or deleting software breakpoints while the user program is running may cause a break in execution at an unexpected location. When this problem occurs, the message "Unknown break cause" appears in the area where the reason for the most recent break is supposed to be displayed on the status bar.

[Solutions]

- Use hardware breakpoints while the user program is running.

- If you wish to use software breakpoints, stop the user program before setting or deleting them.

*3: Bits RAME and EXPE are allocated to the system control registers of MCUs.

4. Real-Time OS Aware Debugging

For details of the real-time OS aware debugging, refer to the following page.

http://www.renesas.com/ecxos

5. Operating Environment

Table 5.1   Operating Environment (Windows® XP or Windows® 2000)

PC Environment	
PC	IBM PC/AT compatible
OS	Windows® XP 32-bit editions*4 Windows® 2000
CPU	Pentium 4 running at 1.6 GHz or more recommended
Interface	USB2.0
Memory	768 Mbytes or larger (more than 10 times the file size of the load module) recommended
Hard disk	Installation of the emulator debugger requires free space of 200 Mbytes or larger. Also keep additional free space that is at least twice the memory capacity (four times or larger recommended) for use as swap space.
Display resolution	1024 × 768 or higher recommended

*4: The 64-bit editions of Windows® XP are not supported.

Table 5.2   Operating Environment (Windows Vista®)

PC Environment	
PC	IBM PC/AT compatible
OS	Windows Vista® 32-bit editions*5
CPU	Pentium 4 running at 3 GHz or Core 2 Duo running at 1 GHz or more recommended
Interface	USB2.0
Memory	1.5 Gbyte or larger (more than 10 times the file size of the load module) recommended
Hard disk	Installation of the emulator debugger requires free space of 200 Mbytes or larger. Also keep additional free space that is at least twice the memory capacity (four times or larger recommended) for use as swap space.
Display resolution	1024 × 768 or higher recommended

*5: The 64-bit editions of Windows Vista® are not supported.

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Refer to "http://www.renesas.com/" for the latest and detailed information.

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