

RENESAS TOOL NEWS on August 1, 2013: 130801/tn7

Device Support Extended in RX E1/E20 Emulator Debugger

Device support has been extended in the RX E1/E20 Emulator Debugger specific to integrated development environment High-performance Embedded Workshop.

1. Description

In RX E1/E20 Emulator Debugger (specific to integrated development environment High-performance Embedded Workshop; not to CubeSuite+), systems designed with the following MCUs can be debugged:

- R5F5631F, R5F5631K, R5F5631J, R5F5631G, R5F5631Y, R5F5631W, R5F56318, R5F56317, R5F56316 and R5S56310 (RX631 group)
- R5F563NF, R5F563NK, R5F563NY and R5F563NW (RX63N group)
- R5F563TE, R5F563TC and R5F563TB (RX63T group)

To debug systems designed with these MCUs, you need to install the MCU files for them on RX E1/E20 Emulator Debugger.

For how to install the MCU files, see Section 2 below.

2. Installing MCU Files (See Notes)

To install the MCU files for the above MCUs, follow these steps:

- (1) Make sure that RX E1/E20 Emulator Debugger V.1.03.00 has been installed on your computer.

If your debugger is earlier than V.1.03.00, update it to V.1.03.00.

The update program is downloadable from:

https://www.renesas.com/e1_download

The above URL is one of our global sites.

- (2) If two or more debuggers have been installed by using the multi-installation function of High-performance Embedded Workshop, make only RX E1/E20 Emulator Debugger V.1.03.00 active.

- (3) Download the MCU_FILES_INST_HEW_RXE1E20V103.exe file (3.51 MB) from [here](#).

(4) Execute MCU_FILES_INST_HEW_RXE1E20V103.exe; follow the instructions displayed on-screen to install the MCU files.

(5) Make sure that installation has been successful.

To do so, start RX E1/E20 Emulator Debugger; then check to see that the following MCU group names and device names are displayed in the MCU groups and Devices drop-down lists on the device tab of the Initial Setting dialog box:

RX631 Group: R5F5631F, R5F5631K, R5F5631J, R5F5631G,
R5F5631Y, R5F5631W, R5F56318, R5F56317,
R5F56316 and R5S56310

RX63N Group: R5F563NF, R5F563NK, R5F563NY and R5F563NW

RX63T Group: R5F563TE, R5F563TC and R5F563TB

Notes:

1. If the MCU files are installed in the environment of Windows Vista or Windows 7, the message saying "This program might not have [been] installed correctly" may appear in Program Compatibility Assistant of Windows OS after the completion of the installation. If this message appears, select "This program [has been] installed correctly" in Program Compatibility Assistant.
2. If the MCU files are incorrectly installed in RX E1/E20 Emulator Debugger of other version than V.1.03.00, follow these steps to restore the installation:
 - (1) Delete the BfwE20rx600.s and FFWE20RX600.dll files under the %Tools%Renesas%DebugComp%platform%E1E20%E20RX folder, where High-performance Embedded Workshop has been installed.
 - (2) Rename the BfwE20rx600.s.bak and FFWE20RX600.dll.bak files under the above folder as BfwE20rx600.s and FFWE20RX600.dll, respectively.

Note that the above restoration is impossible if you have made incorrect installation twice or more times.

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