
External Flash Definition Editor (EFE)

R20UT1447EJ0100

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Release Note

This document describes the notes of this product, and please read before you start to use this product.

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1. Installation and Startup

- (1) Downloading the EFE and the add-on package
Download the External Flash Definition Editor (EFE) at the following URL.

http://www.renesas.com/efe_download
- (2) Installing the EFE
Extract the ZIP file of the EFE to create a folder named EFE.
- (3) Starting-up the EFE
Double click the EFE.exe file in the “EFE” folder to start-up the EFE.

2. Precaution

2.1 Common Attention

- (1) To download a program to the external flash memory, it is necessary to switch to the memory expansion mode or set the external bus. Write these settings into a script file, and specify it as a pre-download execution script when you create a USD file. The script file will be automatically executed before the download and the settings written in the script will be established.
- (2) If the [Resetting CPU after download module] checkbox in the [Options] tab of the [Debug Settings] dialog box is selected in the emulator debugger, the CPU will be reset after the download and the external bus setting will be initialized. This means that after the download, you cannot check the contents of the area where the program was downloaded. To retain or restore the external bus setting, deselect the [Resetting CPU after download module] checkbox before the download or execute the script file specified as a pre-download execution script from the Command Line Window after the download. The [Debug Settings] dialog box can be opened by selecting menu [Debug] -> [Debug Settings...].

2.2 When Using E1/E20 Emulator

When setting up the work RAM for creating the USD file, specify the address that does not overlap with the target area of DMA and the target area of DTC. The area specified for the work RAM can overlap with the work area specified in the [MCU] page of the [Configuration Properties] dialog box.

2.3 When Using E100 Emulator

When setting up the work RAM for creating the USD file, specify the address that does not overlap with the target area of DMA and the target area of DTC. The area specified for the work RAM can overlap with the work area specified in the [System] page of the [Configuration Properties] dialog box.

2.4 When Using E30A Emulator

When setting up the work RAM for creating the USD file, specify the address that does not overlap with the interrupt stack area and the target area of DMA. Note that the emulator sets the interrupt stack pointer (ISP) to 0500h when resetting the target program. The area specified for the work RAM can overlap with the work area for the monitor program specified in the [MCU] tab of the [Init] dialog box.

3. Supported Forms of Connection with External Flash

The table below shows the supported forms of connection with external flash.

Program Method	MCU's external bus width	Forms of Connection external flash	RX600 Series	R32C/100 Series
JEDEC	8bit	8bit x 1	Supported	Supported
	16bit	16bit x 1	Supported	Supported
		8bit x 2	Supported	Supported
	32bit	16bit x 2	Not Supported	Supported
		8bit x 4	Not Supported	Supported *
CUI	8bit	8bit x 1	Supported	Supported
	16bit	16bit x 1	Supported	Supported
		8bit x 2	Supported *	Supported *
	32bit	16bit x 2	Not Supported	Not Supported

*Newly Supported by EFE V.1.00 Release 01

4. Supported OS

- Windows® 2000
- Windows® XP 32-bit editions
- Windows Vista® 32-bit editions
- Windows® 7 32-bit editions
- Windows® 7 64-bit editions

5. System Requirements

5.1 Windows Vista® 32-bit editions, Windows® 7

Target host PC	
PC	IBM PC/AT compatible machine(CPU: 1GHz or more)
Memory	1GB or more
HDD	100MB or more.
Display Resolution	1024 x 768 or higher

The 64-bit editions of Windows Vista® have not been supported.

Windows Vista is either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

5.2 Windows® XP 32-bit editions, Windows® 2000

Target host PC	
PC	IBM PC/AT compatible machine (Pentium III 600MHz or more is recommended)
Memory	512MB or more
HDD	100MB or more.
Display Resolution	1024 x 768 or higher recommended

The 64-bit editions of Windows® XP have not been supported.

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