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Flash Development Toolkit Revised to V.4.03 Release 02

We have revised Flash Development Toolkit from V.4.03 Release 01 to V.4.03 Release 02. This toolkit is used to program flash memory of the MCUs in the SuperH RISC engine, M16C, H8SX, H8S, H8, R8C, and 740 families.

For details of the product, go to:

<http://www.renesas.com/fdt> (This URL is one of our global sites.)

1. Descriptions of Revision

1.1 Supported MCUs Increased

The following MCUs have been added to the support line:

(1) In M16C/50 series, M16C family

- R5F35623, R5F35626, R5F3562E, R5F35630, R5F35633, R5F35636, and R5F3563E (M16C/56 group)
- R5F35L23, R5F35L26, R5F35L2E, R5F35L30, R5F35L33, R5F35L36, and R5F35L3E (M16C/5L group)

The flash ROMs of these MCUs are programmable via the E8a emulator by using the 7-wire-type programming method.

Be sure to program flash memory in the programming mode of Standard Serial I/O Mode 1.

(2) In M16C/60 series, M16C family

- R5F363A6, R5F363AE, R5F363AK, R5F363AM, R5F363B6, and R5F363BE (M16C/63 group)

The flash ROMs of these MCUs are programmable either via the RS-232C port or via the E8a emulator. Note that the 7-wire-type programming method only is usable in the E8a.

Be sure to program flash memory in either of the following programming modes:

- Standard Serial I/O Mode 2 for RS-232C
- Standard Serial I/O Mode 1 for E8a

(3) In R8C/3x series, R8C family

- R5F21357A, R5F21358A, R5F2135AA, and R5F2135CA (R8C/35A group)
- R5F21364A, R5F21365A, R5F21366A, R5F21367A, R5F21368A, R5F2136AA, and R5F2136CA (R8C/36A group)
- R5F21386A, R5F21387A, R5F21388A, R5F2138AA, and R5F2138CA (R8C/38A group)
- R5F213G2A, R5F213G4A, R5F213G5A, and R5F213G6A (R8C/3GA group)
- R5F213J1A, R5F213J2A, R5F213J4A, R5F213J5A, and R5F213J6A (R8C/3JA group)

The flash ROMs of these MCUs are programmable either via the RS-232C port or via the E8a emulator. Note that the single-wire-type programming method only is usable in the E8a.

Be sure to program flash memory in either of the following programming modes:

- Standard Serial I/O Mode 2 for RS-232C
- Standard Serial I/O Mode 3 for E8a

1.2 Supported Interfaces Increased

(1) When the flash ROMs of the MCUs listed below are programmed via the interface for boot mode, the E8a emulator can be used as a programming interface in addition to the RS-232C port and the HS0008EAUF1H board (an adaptor board for programming flash MCUs on-board).

- In SuperH RISC engine family

SH7145F, SH7144F, SH7065F, SH7054F, and SH7018F

- In H8S family

H8S/2676F, H8S/2667F, H8S/2648F, H8S/2646F, H8S/2636F, H8S/2626F, H8S/2623F, H8S/2339F, H8S/2339EF, H8S/2329F, H8S/2329EF, H8S/2329BF, H8S/2326F, H8S/2319F, H8S/2319EF, H8S/2317F, H8S/2315F, H8S/2314F, H8S/2277F, H8S/2277RF, H8S/2258F, H8S/2239F, H8S/2338RF, H8S/2238F, H8S/2227F, H8S/2218F, H8S/2214F, H8S/2212F, H8S/2211F, H8S/2169YVF, H8S/2161BF, H8S/2160BF, H8S/2149YVF, H8S/2148AF, H8S/2148BF, H8S/2147AF, H8S/2144AF, H8S/2141BF, H8S/2140BF, H8S/2138AF, H8S/2134AF, and H8S/2134BF

- In H8 family

H8/3052F, H8/3052BF, H8/3048BF, and H8S/3026F

(2) When the flash ROMs of the MCUs listed below are programmed via the interface for boot mode, the RS-232C port can be used as a programming interface in addition to the E8a and E8 emulators.

- In M16C/26A group, M16C/20 series, M16C family

M30260F8B and M30260F8A

- In R8C/1B group, R8C/1x series, R8C family

R5F211B1, R5F211B2, R5F211B3, and R5F211B4

Be sure to program flash memory in Standard Serial I/O Mode 2 if RS-232C used.

(3) When the flash ROMs of the MCUs listed below, which belong to the M16C family, are programmed, the RS-232C port can be used as a programming interface.

- In M16C/6C group, M16C/60 series

R5F36CAM, R5F36CAK, R5F36CAE, and R5F36CA6

- In M16C/64A group, M16C/60 series

R5F364AE and R5F364A6

- In M16C/65 group, M16C/60 series

R5F3651E, R5F3650E, and R5F36506

Be sure to program flash memory in the programming mode of Standard Serial I/O Mode 2.

(4) When the flash ROMs of the MCUs listed below, which belong to the M16C/65 group, M16C/60 series, M16C family, are programmed, the RS-232C port can be used as a programming interface.

If they are programmed via the E8a emulator, the 2-wire-type programming method is usable in addition to the 7-wire-type one.

- R5F3651T, R5F3651R, R5F3650T, and R5F3650R

Be sure to program flash memory in either of the following programming modes:

- Standard Serial I/O Mode 2 for RS-232C

- Standard Serial I/O Mode 3 for E8a in 2-wire-type programming

2. How to Update Your Product and Purchase the Revised One

2.1 Updating

When you are using Flash Development Toolkit V.4, online update is available free of charge. Update yours in either of the following ways:

(1) Use AutoUpdate Utility. This service is available on and after August 18.

For details of AutoUpdate Utility, go to:

http://www.renesas.com/tool_update

(2) Download the update program of the product from:

http://www.renesas.com/fdt_download

Then execute it. This site will be opened from August 7 on.

The above URLs are our global sites.

2.2 First Ordering

When you place an order for the product, supply the following items of information to your local Renesas Technology sales office or distributor:

Product type: Flash Development Toolkit

Type name: R0C00000FDW04R

Host OS: Windows Vista®, Windows® XP, or Windows® 2000

Note that these debuggers still remain incompatible with the 64-bit edition of Windows Vista®.

For the price of the product, also contact the above sales office or distributor.

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