

RENESAS TOOL NEWS on August 5, 2010: 100805/tn3

Flash Development Toolkit Revised to V.4.06 Release 00

We have revised Flash Development Toolkit from V.4.05 Release 01 to V.4.06 Release 00. This product is used to program the flash ROMs of MCUs in the SuperH RISC engine, RX, M16C, H8SX, H8S, H8, R8C, and 740 families. For an overview of the product, see:

<https://www.renesas.com/fdt>

The above 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 the SuperH RISC engine family

- SH72374A, SH72374B, SH72375A, SH72375B, SH72394A, SH72394B, SH72395A, SH72395B, and SH72546R

The flash ROMs of these MCUs are programmable either via the RS-232C port or via the E8a emulator.

(2) In the H8 family

- H8/38102F

The flash ROM of this MCU is programmable either via the RS-232C port or via the E8a emulator.

(3) In the R32C/100 series, M16C family

- R5F6416JA, R5F6416KA, R5F6416LA, and R5F6416MA (R32C/116A group)
- R5F6417JA, R5F6417KA, R5F6417LA, and R5F6417MA (R32C/117A group)
- R5F6418JA, R5F6418KA, R5F6418LA, and R5F6418MA (R32C/118A group)
- R5F6445F and R5F6445H (R32C/145 group)

The flash ROMs of these MCUs are programmable either via the RS-232C port or via the E8a emulator.

(4) In the M16C/50 series, M16C family

- R5F35773, R5F35783, R5F35766, R5F35776, R5F35786, R5F3576E, R5F3577E, and R5F3578E (M16C/57 group)
- R5F35M73, R5F35M83, R5F35ME3, R5F35MF3, R5F35M66, R5F35M76, R5F35M86, R5F35MD6, R5F35ME6, R5F35MF6, R5F35M6E, R5F35M7E,

R5F35M8E, R5F35MDE, R5F35MEE, and R5F35MFE (M16C/5M group)

The flash ROMs of these MCUs are programmable either via the RS-232C port or via the E8a emulator.

In the E8a, use the 7-wired programming or the 2-wired programming method.

To program a flash ROM, be sure to select the programming mode of the flash ROM as follows:

- Standard I/O mode 2 for the RS-232C port
- Standard I/O mode 1 for the E8a emulator in the 7-wired programming
- Standard I/O mode 3 for the E8a emulator in the 2-wired programming

(5) In the M16C/60 series, M16C family

- M306S0F8 (M16C/6S group)

The flash ROM of this MCU is programmable either via the RS-232C port or via the E8a emulator.

In the E8a, use the 7-wired programming method.

(6) In the R8C/Lx and R8C/Mx series, R8C family

- R5F2LA64A, R5F2LA66A, R5F2LA67A, and R5F2LA68A (R8C/LA6A group)
- R5F2LA84A, R5F2LA86A, R5F2LA87A, and R5F2LA88A (R8C/LA8A group)
- R5F2M110A, R5F2M111A, and R5F2M112A (R8C/M11A group)
- R5F2M120A, R5F2M121A, and R5F2M122A (R8C/M12A group)

The flash ROMs of these MCUs are programmable either via the RS-232C port or via the E8a emulator.

1.2 Supported Interfaces Increased

1.2.1 In the H8 Family

The flash ROM of the following MCU is programmable via the interface of the E8a emulator in the emulator mode in addition to via the RS-232C port and via the E8a emulator in the boot mode:

- H8/38014F

1.2.2 In the M16C Family

The flash ROMs of the following MCUs are programmable via the E8a in the single-wired programming in addition to via the RS-232C port and via the E8a emulator in the 7- and 2-wired programming:

- R5F364A6, R5F364AE, and R5F364AM (M16C/64A group)
- R5F36506, R5F3650E, R5F3651E, R5F3650K, R5F3651K, R5F3650M, R5F3651M, R5F3650N, and R5F3651N (M16C/65group)

2. Problems Fixed

The following known problems have been fixed:

(1) With performing the forced erase function in the M16C MCU family

For details see RENESAS TOOL NEWS Document No. 100416/tn3 at:
<https://www.renesas.com/search/keyword-search.html#genre=document&q=100416tn3>

- (2) With writing programs to MCUs of the M16C/6B, /56, and /5L groups
For details see RENESAS TOOL NEWS Document No. 100525/tn1 at:
<https://www.renesas.com/search/keyword-search.html#genre=document&q=100525tn1>

3. Support for the Flash Programmer HS0008EAUF1H Discontinued

We have discontinued supporting the flash programmer HS0008EAUF1H (a discontinued product) since Flash Development Toolkit V.4.06 Release 00. So you cannot use the HS0008EAUF1H as a programming hardware tool in combination with the V.4.06 Release 00 product. Use the E8a emulator instead.

For information about switching the flash programmer HS0008EAUF1H to the E8a Emulator, see RENESAS TOOL NEWS Document No. 091001/tn12 at:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=091001tn12>

4. Compatibility with Windows(R) 7

The revised product has been made compatible with the 32-bit edition of Windows(R) 7, but remains incompatible with the 64-bit edition.

The product will be made compatible with the 64-bit edition of Windows(R) 7 in the next version, V.4.07 Release 00, which is scheduled to be released at the end of January 2011.

5. How to Update Your Product

If 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 will be available on and after August 5.
- (2) Download the update program of the product from:

https://www.renesas.com/fdt_download

Then execute it. This Web site will be opened from August 5.

The above URL is one of our global sites.

6. First Ordering

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

Product type: Flash Development Toolkit

Type name: ROC00000FDW04R

Host OS: Windows(R) 7, Windows Vista(R), Windows(R) XP or Windows(R)

2000

NOTICE: The 64-bit editions of Windows(R) 7, Windows Vista(R) and Windows(R)

XP are excluded.

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

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