RENESAS Tool News

Flash Development Toolkit Revised to V.4.06 Release 01

We have revised Flash Development Toolkit from V.4.06 Release 00 to V.4.06 Release 01.
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.

1. Descriptions of Revision

1.1 Supported MCUs Increased

The following MCUs have been added to the support line:

(1) In the RX family
- R5F56218, R5F56217, and R5F56216 (RX621 group)
- R5F562N8 and R5F562N7 (RX62N group)

The flash ROMs of these MCUs are programmable via the RS-232C cable, the E1 emulator, the E20 emulator, or USB.

- R5F562TAE, R5F562TAD, R5F562TAB, R5F562TAA, R5F562T7E, R5F562T7D, R5F562T7B, R5F562T7A, R5F562T6E, R5F562T6D, R5F562T6B, and R5F562T6A (RX62T group)

The flash ROMs of these MCUs are programmable via the RS-232C cable, the E1 emulator, or the E20 emulator.

(2) In the SuperH RISC engine family
- SH72315A

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

(3) In the H8S family
- H8S/2113

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

(4) In the M16C/60 series, M16C family
- R5F3651NB, R5F3651MB, R5F3651KB, R5F3650NB, R5F3650MB, and R5F3650KB (M16C/65B group)

The flash ROMs of these MCUs are programmable via the RS-232C cable

or the E8a emulator. In the E8a, the 7-wired programming or the single-wired programming method is used.

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 cable
- 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 single-wired programming

(5) In the R8C/Mx and R8C/3x series, R8C family
- R5F2M134B, R5F2M132B, and R5F2M131B (R8C/M13B group)
- R5F21356M, R5F21355M, and R5F21354M (R8C/35M group)
- R5F21346M, R5F21345M, and R5F21344M (R8C/34M group)
- R5F21336M, R5F21335M, R5F21334M, R5F21332M, and R5F21331M (R8C/33M group)
- R5F21324M, R5F21322M, and R5F21321M (R8C/32M group)

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

1.2 Supported Programming Interfaces Increased

Two programming interfaces have been added to the support line:

(1) The E8a emulator in the single-wired programming method for an MCU of the M16C family

This programming interface, in addition to the RS-232C cable and the E8a emulator in the 7- and 2-wired programming methods, can be used to program the flash ROM of the following MCU, which belongs to the M16C family:
- R5F364AK (M16C/64A group)

(2) The RS-232C cable for MCUs of the R8C family

This programming interface, in addition to the E8a emulator in the single-wired programming method, can be used to program the flash ROMs of the following MCUs, which belong to the R8C family:
- R5F212L4 and R5F212L2 (R8C/2L group)
- R5F212K4 and R5F212K2 (R8C/2K group)
- R5F212J1 and R5F212J0 (R8C/2J group)
- R5F212H2 and R5F212H1 (R8C/2H group)
- R5F212G6, R5F212G5, and R5F212G4 (R8C/2G group)
- R5F212F4 and R5F212F2 (R8C/2F group)
- R5F212E4 and R5F212E2 (R8C/2E group)
- R5F212DC and R5F212DA (R8C/2D group)
- R5F212CC and R5F212CA (R8C/2C group)
- R5F212BA (R8C/2B group)
- R5F21296, R5F21294, and R5F21292 (R8C/29 group)

- R5F21286, R5F21284, and R5F21282 (R8C/28 group)
- R5F21266, R5F21265, R5F21264, and R5F21262 (R8C/26 group)
- R5F2122C, R5F2122A, R5F21228, R5F21227, and R5F21226
  (R8C/22 group)
- R5F2121C, R5F2121A, R5F21218, R5F21217, and R5F21216
  (R8C/21 group)
- R5F2120C, R5F2120A, R5F21208, R5F21207, and R5F21206
  (R8C/20 group)

2. A Problem Fix

The following known problem has been fixed:

- With using the E1 or E20 emulator as a flash programmer
For details see RENESAS TOOL NEWS Document No. 101101/tn5 at:
https://www.renesas.com/search/keyword-search.html#genre=document&q=101101tn5

3. Compatibility with Windows® 7

Flash Development Toolkit V.4.06 Release 01, as well as V.4.06
Release 00, is compatible with the 32-bit edition of Microsoft
Windows® 7.
We are going to make the V.4.07 Release 00 product (to be released in
February 2011) compatible with the 64-bit edition of Windows® 7 though
the schedule and the version compatible are subject to changes.

4. 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
    November 19.

(2) Download the update program of the product from

     https://www.renesas.com/fdt_download
    and then execute it. This Web site will be opened from November 19.
     The above URL is one of our global sites.

5. 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: R0C00000FDW04R
   Host OS: Windows® 7, Windows Vista®, Windows® XP, or Windows® 2000

         NOTICE: The 64-bit editions of Windows® 7, Windows Vista®,
                 and Windows® XP are excluded.

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

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