

RENESAS TOOL NEWS on April 8, 2009: 090408/tn1

Flash Development Toolkit Revised to V.4.03 Release 01

We have revised Flash Development Toolkit from V.4.03 Release 00 to V.4.03 Release 01. This toolkit is used to program flash memory of the MCUs in the SuperH RISC engine, 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 H8S/2200 series, H8S family

H8S/2218CUF, H8S/2217CUF, H8S/2215CUF, H8S/2212CUF, H8S/2211CUF, and H8S/2210CUF

These MCUs are programmable via any USB port. (See NOTE1)

NOTE1: When using these MCUs in USB boot mode.

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

R5F6457H, R5F6457G, R5F6457F, R5F64572, and R5F64571
(R32C/157 group);

R5F6456H, R5F6456G, R5F6456F, R5F64562, and R5F64561
(R32C/156 group);

R5F6453N, R5F6453M, and R5F64534 (R32C/153 group);

R5F6452N, R5F6452M, and R5F64524 (R32C/152 group);

R5F6451N, R5F6451M, and R5F64514 (R32C/151 group);

R5F6421H, R5F6421G, R5F6421F, R5F6421E, R5F64212, R5F64211, and
R5F64210 (R32C/121 group);

R5F6420F, R5F6420E, and R5F64200 (R32C/120 group);

R5F64186 and R5F64185 (R32C/118 group);

R5F64175 (R32C/117 group);

R5F64165 (R32C/116 group); and

R5F6411F (R32C/111 group)

These MCUs are programmable via either the RS-232C port or the E8a emulator.

(3) In the M16C series, M16C family

R5F3651T, R5F3651R, R5F3651E, R5F3650T, R5F3650R, R5F3650E, and R5F36506 (M16C/65 group);
R5F364AE and R5F364A6 (M16C/64A group); and
R5F36CAM, R5F36CAK, R5F36CAE, and R5F36CA6 (M16C/6C group)

These MCUs are programmable via the 7 wires of E8a emulator. (NOTE2)

NOTE2: It is a 7-wire programming system that uses the seven pins of SCLK, TXD, RXD, BUSY, EPM, CE, and CNVss for communication in addition to the Vcc, Vss, and RESET pins of the E8a emulator.

(4) In the R8C/Lx series, R8C family

R5F2L3ACB, R5F2L3AAB, R5F2L3A8B, and R5F2L3A7B (R8C/L3AB group);
R5F2L3ACA, R5F2L3AAA, R5F2L3A8A, and R5F2L3A7A (R8C/L3AA group);
R5F2L38CB, R5F2L38AB, R5F2L388B, and R5F2L387B (R8C/L38B group);
R5F2L38CA, R5F2L38AA, R5F2L388A, and R5F2L387A (R8C/L38A group);
R5F2L36CB, R5F2L36AB, R5F2L368B, and R5F2L367B (R8C/L36B group);
R5F2L36CA, R5F2L36AA, R5F2L368A, and R5F2L367A (R8C/L36A group);
R5F2L35CB, R5F2L35AB, R5F2L358B, and R5F2L357B (R8C/L35B group);
and
R5F2L35CA, R5F2L35AA, R5F2L358A, and R5F2L357A (R8C/L35A group)

These MCUs are programmable via either the RS-232C port or the E8a emulator.

1.2 Supported Interfaces Increased

(1) When the interface for boot mode is used, the following MCUs are programmable via the E8a emulator in addition to the RS-232C port and the HS0008EAUF1H board (an adaptor for programming flash MCUs on-board):

- In the SuperH RISC engine family

SH7055F, SH7053F, SH7052F, SH7047F, and SH7046F

- In the H8S family

H8S/2643F, H8S/2633F, H8S/2633RF, H8S/2615F, H8S/2398F,
H8S/2377F, H8S/2376F, H8S/2367F, H8S/2366F, H8S/2338F,
H8S/2328F, H8S/2318F, H8S/2282F, H8S/2268F, H8S/2215F,
H8S/2215RF, H8S/2199F, H8S/2158F, H8S/2145BF, H8S/2111BF-B,

H8S/2111BF-C, and H8S/2110BVF

- In the H8 family

H8/3062AF, H8/3062BF, H8/3024F, and H8/3022F

(2) In the H8/300H Super Low Power series, the H8/38602F MCU is programmable via the E8a emulator by using the E8a debugger interface in addition to the RS-232C port, the HS0008EAUF1H board, and the E8a emulator using these MCUs in the E8a boot mode.

(3) In the R8C family, the R5F21237 MCU is programmable via the RS-232C port in addition to the E8a and E8 emulators

2. Problem Fixed

The problem described in RENESAS TOOL NEWS Document No. 090305/tn1 has been fixed. The problem is as follows:

If "Readback Verify" and "Request Checksum" are executed successively after one or two specified flash-ROM areas of the device are programmed, the active window of Flash Development Toolkit disappears after checksum is complete, and Toolkit will close itself.

For details of the problem, see the above news at:

<http://tool-support.renesas.com/eng/toolnews/090305/tn1.htm>

3. How to Update Your Product

When you are using Flash Development Toolkit V.4, online update is available free of charge.

Download the installer of the latest version of the product from

http://www.renesas.com/fdt_download

and then execute it. This Web site will be opened on and after April 10.

If you are using Flash Development Toolkit V.4.00 Release 00 or later, AutoUpdate Utility is available to update yours. This update service will be provided from April 13 on at the earliest.

For details of the specifications of the product, see its datasheets at:

http://www.renesas.com/tool_update

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