Precautions on Using Flash Development Toolkit

READ this document before using this toolkit.
KEEP the document handy for future reference.

1. Action when the FDT Sends "Timeout error"

(1) When you use the FDT under the following conditions, you may get "Timeout error".

- Using low performance and small RAM PC
- Using upload function
- Using verify function after programming the flash data
- At the beginning of adjustment of baud rate

Lower the baud rate when you get this error.

(2) When you get a message " Error No 15068: Error while reading timed response" at the connection to a device, lower the baud rate.

2. Selection of 1200-bps Communication

FDT supports the following devices with 1200-bps communication speed except for connection with FDM.

Do not select 1200-bps communication speed with other devices.

(1) H8

38002F, 38004F, 38024F, 38104F, 38124F, 38324F, 38327F, 38344F, 38347F, 38424F, 38427F, 38444F, 38447F, 38522F, 38524F, 38534F, 38537F, 38702F, 38704F

3. Connection with an Adapter Board (Flash Development Module)

When the target device is a USB boot product (e.g. H8S/2215UF), connection with an adapter board (Flash Development Module) cannot be performed.

4. Setting of Frequency with H8S/2172F Device

In the H8S/2172F device, the operating frequency is doubled by the PLL circuit, but "2" cannot be chosen from the ratio conditions in FDT.

So set the value of operating frequency that was doubled by the PLL circuit as the input frequency conditions in FDT.

5. Passwords of the Access Rights

Remember the passwords if the Access Rights have been enabled.

6. Readback Verify

A verification error may occur when the programming is not successfully done due to an electrostatic damage or other factors. In this case, FDT might abend.

7. AutoUpdate Tool

(1) When you do not use the AutoUpdate tool, clear the check box for "AutoUpdate" at installation of this software.

(2) When you download an update program, the "Destination" information will be displayed on the wizard. This is the directory information on the program already installed. The installation location of the update program can be specified after the installer is started.

8. Blank Check of R8C/2x Devices

(1) Working Samples

FDT does not support a blank check for working samples of the R8C/2x devices. If you attempt to use this function, the message "Device is not blank" will appear.

(2) Mass-Produced Devices

When 0 has been written to bit 0 of the OFS register (at 0FFFFh), performing a blank check prevents further communications. Make sure that bit 0 of the OFS register is 1 before you perform a blank check.

Applicable devices:
R5F21206, R5F21207, R5F21208, R5F2120A, R5F2120C, R5F21216, R5F21217, R5F21218, R5F2121A, R5F2121C, R5F21226, R5F21227, R5F21228, R5F2122A, R5F2122C, R5F21236, R5F21237, R5F21238, R5F2123A, R5F2123C, R5F21247, R5F21248, R5F21257, R5F21258, R5F21262, R5F21264, R5F21265, R5F21266, R5F21272, R5F21274, R5F21275, R5F21276, R5F21282, R5F21284, R5F21286, R5F21292, R5F21294, R5F21296, R5F212A7, R5F212A8, R5F212AA, R5F212AC, R5F212B7, R5F212B8, R5F212BA, R5F212BC, R5F212C7, R5F212C8, R5F212CA, R5F212CC, R5F212D7, R5F212D8, R5F212DA, R5F212DC, R5F212E2, R5F212E4, R5F212F2, R5F212F4, R5F212G4, R5F212G5, R5F212G6, R5F212H1, R5F212H2, R5F212J0, R5F212J1, R5F212K2, R5F212K4, R5F212L2, R5F212L4

9. Device Protection Option when an M16C/30P One-Time Flash Device is in Use

When you have selected "Automatic" or "Interactive", FDT operates in the same way as when "None" is selected.

10. CRC Verification of R32C Devices

If you attempt to program a device that is not blank, a CRC verification error may occur. In such cases, perform "Readback Verification" to verify that the data was programmed successfully.

11. Windows Vista(R)

This application does not support the 64-bit edition.

12. Type Names of the M16C/64A, M16C/65, and M16C/6C

"_7Line" attached to the type names of the M16C/64A, M16C/65, and M16C/6C indicates that these devices are intended for 7-line connection only.