

## Software Tools for Flash Memory Programmer PG-FP5 Revised

We have revised software tools for the flash memory programmer PG-FP5.

For an overview of the PG-FP5, go to:

[https://www.renesas.com/pg\\_fp5](https://www.renesas.com/pg_fp5)

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### 1. Software Tools to Update

You can update the following software tools, which are used for the PG-FP5, to their latest versions:

Software tools	Latest version
Firmware V2.09 and earlier	V2.10
Programming GUI V2.09 and earlier	V2.10

To check to see the version numbers of yours, see PG-FP5 Flash Memory Programmer User's Manual. As for FPGA Data, use V4 when you are updating the above software tools. FPGA Data has not been updated from V4 yet.

### 2. Description of Revision

#### 2.1 Functions Introduced

The minimum unit programming function has been introduced as follows:

(1) MCUs concerned

- All the MCUs of the V850E2/Fx4-L group
- The V850E2/FF4-G and V850E2/FG4-G MCUs (in V850E2/Fx4-G group)

(2) The minimum unit programming function to data flash memory

The minimum unit programming function is the one for programming, verifying, and reading only the data-existing area of the flash memory in the smallest unit of areas.

To enable this function, follow these steps:

(a) On the Device menu, select the Setup command.

(b) In the Device Setup dialog box, click the Advanced tab.

(c) In the Command options area, select the Enable minimum unit programming check box.

## 2.2 Specifications Modified

The specifications of the checksum function have been modified to conform to those of the checksum command of the RX family.

When the ROM size is less than  $8\text{ KB} \times 2^n$ , the checksum command for the RX family fills the free space up to  $8\text{ KB} \times 2^n$  with "FFh" to make the checksum calculation of data in this entire space ( $8\text{ KB} \times 2^n$ ).

## 2.3 Problems Fixed

The following problems have been fixed:

(1) Problem with performing checksum verification function

We informed you of this problem on RENESAS TOOL NEWS Document No. 130214/tn1. To see it, go to:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=130214tn1>

(2) Note on Using in-circuit emulators IECUBE2 and IECUBE, and on-chip debugging emulators MINICUBE2 and MINICUBE

To fix this problem, we have updated the USB driver included with the above emulators from V2.61.01 to V2.61.02.

We informed you of this note on RENESAS TOOL NEWS Document No. 121119/tn1. To see it, go to:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=121119tn1>

## 3. Updating Your Software Tools

Online update is available free of charge. Download the update program of each tool from:

[https://www.renesas.com/pg\\_fp5\\_download](https://www.renesas.com/pg_fp5_download)

Then execute it.

The update programs will be published on this site on March 5, 2013.

For details of updating, see PG-FP5 Flash Memory Programmer User's Manual.

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