

[Upgrade to Revision]

R20TS1051EJ0100

Rev.1.00

Renesas Flash Programmer V3.16.00

Jul. 20, 2024

Outline

Renesas Flash Programmer, a software tool for programming flash memory, has been updated from V3.15.00 to V3.16.00. For an overview of the product, refer to the link below.

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

1. Description

The following sections cover the main enhancements. For details, see the release note at the link below.

(The note is applicable as of July 22.)

<https://www.renesas.com/software-tool/renesas-flash-programmer-programming-gui#document>

1.1 Addition of Supported Devices

- RH850 Family

Group	Part number
RH850/U2B10	R7F70254x
RH850/U2B-FCC	R7F702Z21, R7F702Z26

- DA

Group	Part number
DA1453x	DA14531, DA14535

1.2 Improved Functionality and Change

- Support for firmware included in the SDK

The software has been updated to use the firmware included in the SDK for flash memory operations on DA devices. Accordingly, the supported external flash memory has been changed.

- External flash memory supported for DA devices

Group	External Flash Memory
DA1469x*1	MX25U3235F, GD25LE32, P25Q32SL
DA1470x*1	MX25U6432, W25Q64JWIM
DA1459x*1	MX25U3235F, W25Q32JWIM, W25Q32JWIQ
DA1453x*2	AT25XE021A, AT25DF021A, P25Q11U, MX25R2035F, W25X10CL, W25X20CL, AT25DF011, AT25DN011, AT25XE011, AT25EU0021A, AT25XE041B, GD25WD20

Notes:1. DA devices that the external flash memory to be supported has been changed.

2. Write a program to a DA1453x device with a size no greater than that of the RAM in each device. Operation in the case of writing a program with a larger size is not guaranteed.

1., 2. If the program does not operate after it has been written, apply a reset.

- Erasure of the external flash memory in DA devices by rfp-cli

Previously, when the rfp-cli command-line software was used to specify the address range for erasing external flash memory, only erasing a specified range was possible. However, rfp-cli is now usable to erase all areas of external flash memory.

- Enhanced error-detection when rfp-cli writes to RA and DA devices

When rfp-cli is used to specify the address range for writing to RA or DA devices via the SWD interface but the specified range violates the requirement for alignment, an address error is now generated.

- Support for Ubuntu 24.04 LTS

Ubuntu 24.04 LTS was added as a supported OS.

- SWD interface signal

The stability of communications of the SWD signal has now been improved for the combination of the E2 emulator and an RA device.

- Reduced startup time for rfp-cli

Startup time for the rfp-cli command-line software has been reduced.

2. Updating the Product

Download and install the latest Renesas Flash Programmer from the link below.

(V3.16.00 is available as of July 22.)

<https://www.renesas.com/software-tool/renesas-flash-programmer-programming-gui#download>

3. Purchasing the Product

Contact your local Renesas Electronics sales office or distributor and inform them of which product you wish to purchase.

For product pricing, contact the sales office or distributor.

For product names and part numbers, refer to the link below.

<https://www.renesas.com/software-tool/renesas-flash-programmer-programming-gui#tab-release-information>

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul.20.24	-	First edition issued

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