

Continuously evolving flash programmer

# Renesas Flash Programmer

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

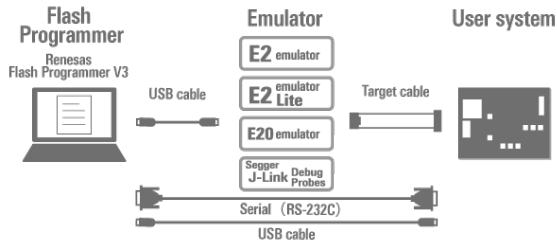
## Flash programmer supporting flash programming in all phases from development up to mass production

Renesas Flash Programmer is software supporting flash programming in the development and mass-production phases, with a simple GUI that even beginners can use to program software in flash memory.

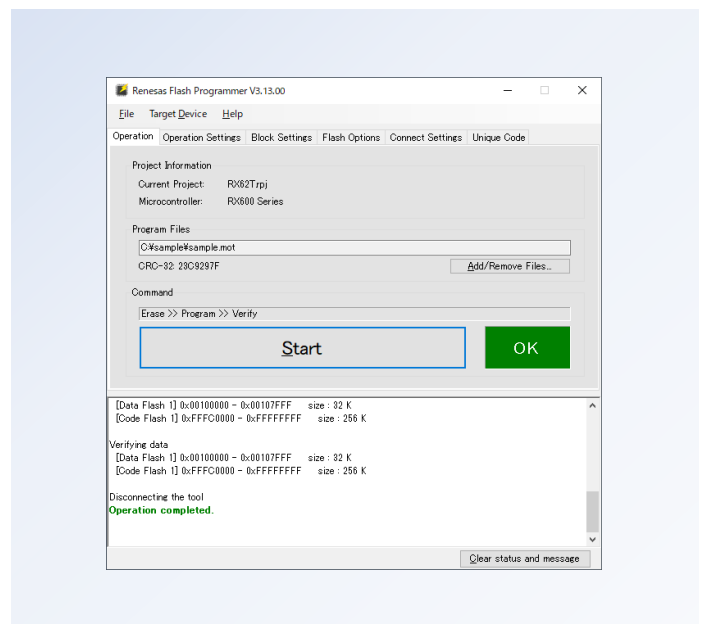
### Functions

- Supported file formats for programming: Intel HEX for HEX and HCUHEX files, Motorola S for HEX and HCUHEX files, binary, and RPI for RPI file
- Checksum calculation
- Blank check, erase, writing, verification, read-out, security setting, checksum, setup and acquisition of flash options
- Sequential execution of multiple commands (for erasure, programming, verification, etc.)
- Multiple files for programming selectable simultaneously

### System Configuration



[Detail www.renesas.com/rfp\\_system](http://www.renesas.com/rfp_system)



## Features and supported functions

The ever-evolving Renesas Flash Programmer provides strong support for customers developing applications.

### Simple GUI

A simple GUI makes operations easy, even for first-time developers

### PC-controlled programming

PC-controlled programming via an emulator (E2, E2 Lite, E20, or J-Link debug probe from SEGGER), serial cable, or USB cable

### Enhanced security

Enhanced security against theft through the encryption of program files

### Settings for programming unique codes

Settings for programming unique codes in a specified flash memory area can be configured.

### Auto-programming from the command line

In the mass-production phase, a programming instruction can be easily run repeatedly from the command line (rather than using the GUI) for efficient mass production.

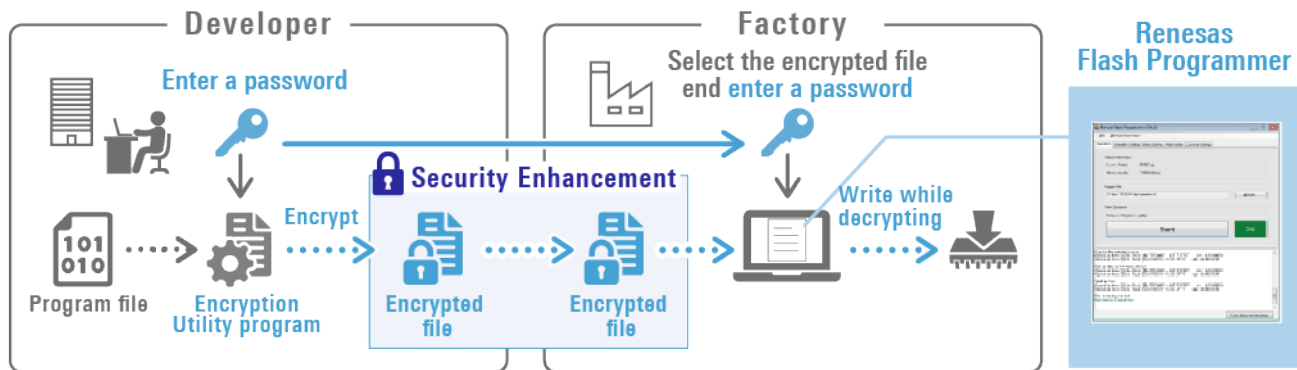
### Aid for project creation

Simplified model name selection and mode terminal settings support easy project creation.

## Enhanced security against theft through the encryption of program files

The function for encrypting program files enhances security against theft.

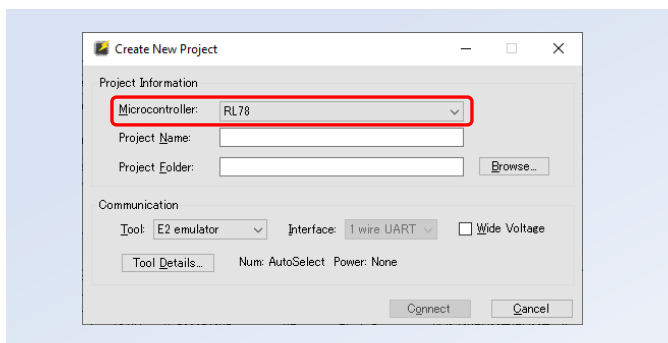
You can run this function by using the encryption utility program (RPE.exe) from the command line. The file is among those installed by the Renesas Flash Programmer installer.



## Aid for project creation by microcontroller

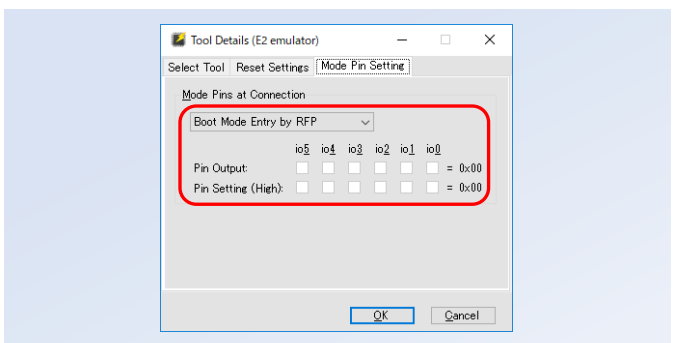
### For the RL78 Family

By simply selecting "RL78", a project can easily be created without the need to select a detailed model.



### For the RX Family

No need for mode pin setting, when the recommended connection examples are used.



## Download

[www.renesas.com/rfp\\_download](http://www.renesas.com/rfp_download)

The Renesas Flash Programmer is available for download as free evaluation software.

We do not provide technical support for the free version, so will not be able to answer any questions you may have regarding the evaluation software and send to our technical support center via the Renesas web site. If you require technical support, we recommend that you purchase a software license through one of our sales offices or distributors.

The evaluation version of Renesas Flash Programmer can be used for not only evaluation, but also product development and programming of the final product.

## Supported MCUs

RA Family RL78 Family RX Family RH850 Family  
Renesas Synergy™ DA Family Some ICs for exclusive use

## Video

Tutorial videos for microcontrollers are available:

- For RA Family [www.renesas.com/ra-how-to-video](http://www.renesas.com/ra-how-to-video)
- For RL78 Family [www.renesas.com/rl78-how-to-video](http://www.renesas.com/rl78-how-to-video)
- For RX Family [www.renesas.com/rx-how-to-video](http://www.renesas.com/rx-how-to-video)

**FAQ** [en-support.renesas.com/knowledgeBase](http://en-support.renesas.com/knowledgeBase)

**Community** [community.renesas.com](http://community.renesas.com)

## Operating environment

Windows® 11 Windows® 10 (32- and 64-bit versions)  
Linux (Ubuntu 18.04 LTS / 20.04 LTS / 22.04 LTS, x64/ARM32/ARM64)

**Detail** [www.renesas.com/system-requirements](http://www.renesas.com/system-requirements)

**renesas.com**

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## Contact information

For further information on a product technology, to most up-to-date version of a document, or your nearest office, please visit [www.renesas.com/contact/](http://www.renesas.com/contact/)