[Notification]

# Transfer is Easy from PG-FP5 to PG-FP6!
## PG-FP6 Flash Memory Programmer for Renesas MCUs with Flash Memory

## Outline

The PG-FP5 flash memory programmer, which is widely used from development to production lines, can be easily replaced by its successor, PG-FP6. This tool news gives an overview of the succeeding PG-FP6 and its high compatibility with the PG-FP5.

## 1. Overview

The new PG-FP6 flash memory programmer is a tool for erasing, programming, and verifying programs for Renesas MCUs containing flash memory on user systems.

The PG-FP6 is designed to be compatible with the PG-FP5, and can be connected to any boards to which the PG-FP5 can be connected. Furthermore, in response to user requests, the PG-FP6 now has improved programming speeds and supports large-scale flash memory. For details about the PG-FP6, see the following URL:
https://www.renesas.com/pg-fp6

## 2. High Compatibility with the PG-FP5

The PG-FP6 continuously supports the MCUs supported by the PG-FP5. In addition, the PG-FP6 can use the resource created with the PG-FP5. Because of compatible operability, you can start to use the PG-FP6 immediately. High compatibility with the PG-FP5 allows you to easily replace the PG-FP5 currently used in development or production lines with the PG-FP6.

## 2.1 Continued Support of the MCUs Supported by the PG-FP5

The PG-FP6 continues to support the MCUs supported by the PG-FP5.

- RL78 family

- RX family

- RH850 family

- Renesas USB Power Delivery family

- Power management

- 78K family (MCUs with a single power supply and flash memory)

- V850 family (MCUs with a single power supply and flash memory)
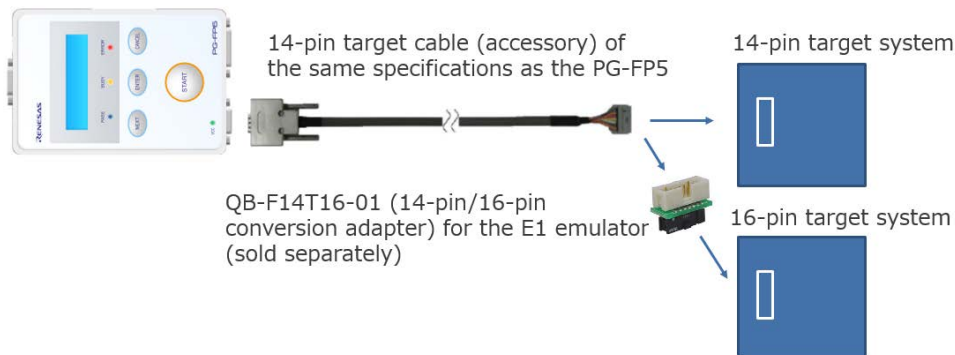
- R8C family

- SuperH family

Notes: 1. The PG-FP6 does not support the V850 and 78K MCUs with dual power supply and flash memory intended for mass-production using masked ROMs.

2. The PG-FP6 does not support MCUs whose status is EOL (End Of Life) announced, EOLed, or no-longer-promoted products, and MCUs for limited customers. If you want the PG-FP6 to support these MCUs, contact your local Renesas Electronics marketing office or distributor.

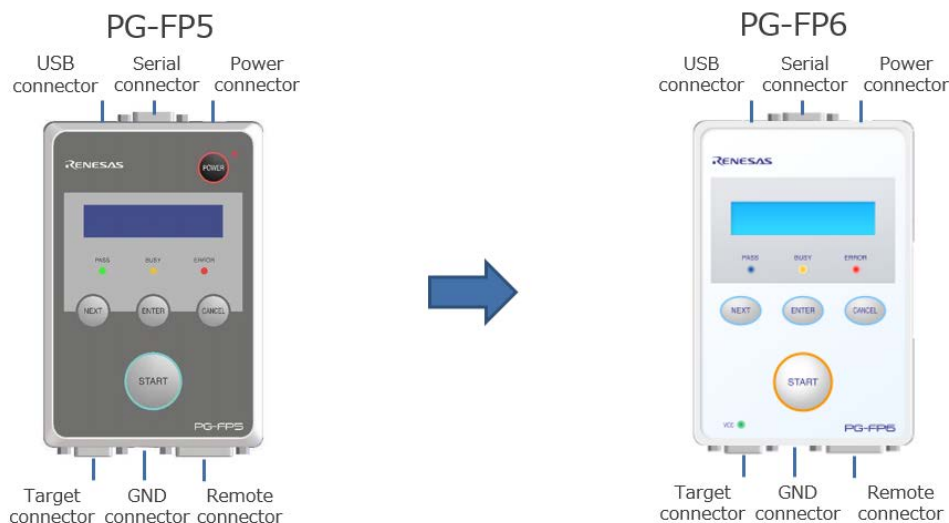## 2.2 Capable of Using Resource Created with the PG-FP5

### 2.2.1 Connectable to Target Systems Created with the PG-FP5

For board connection, the PG-FP6 employs the same specification (pin count) connector as that of the PG-FP5.
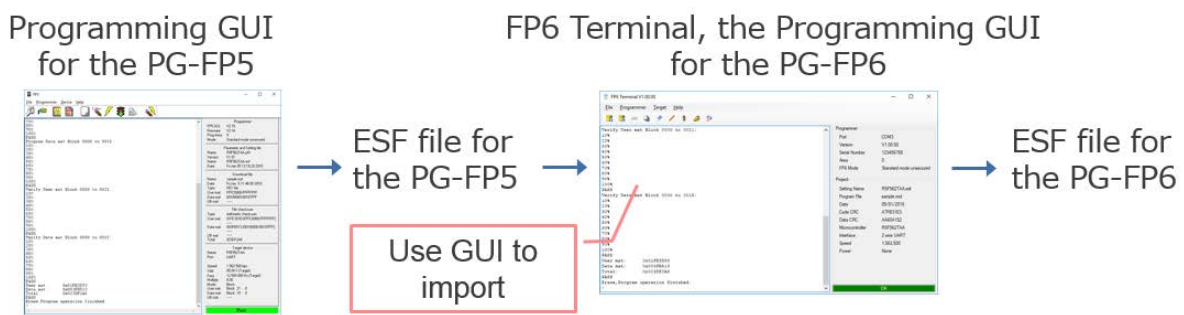


### 2.2.2 Can be Readily Installed in Production Facilities That Currently Have the PG-FP5

The PG-FP6 has the same body size and connector layout as the PG-FP5.



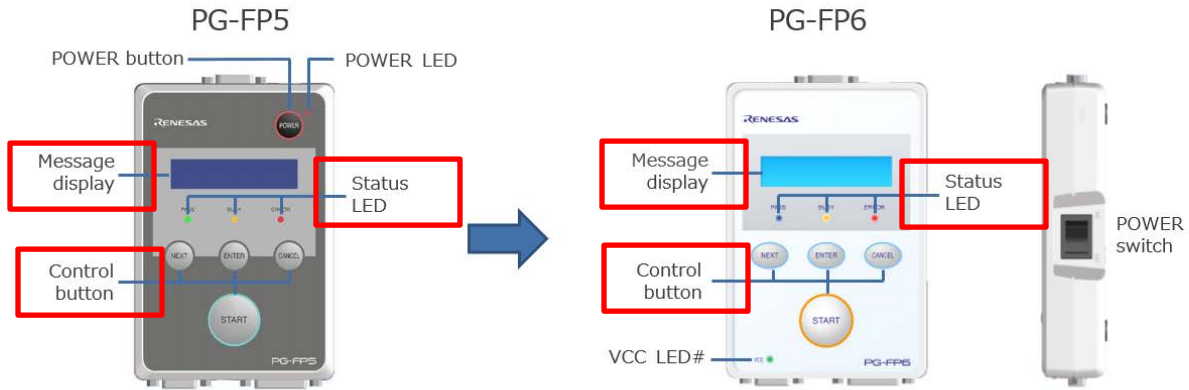### 2.2.3 PG-FP5 Projects Can be Readily Imported into the PG-FP6

The PG-FP6 includes an import function to read projects created with the PG-FP5 (ESF files) as projects for the PG-FP6. Note that this function is available from V1.01.00 of the FP6 Terminal GUI.

## 2.3 Compatible Operability Facilitates Immediate Use

### 2.3.1 Compatible Panel Configuration on the Body Facilitates Immediate Use

The features that are repeatedly used for programming, such as the message display, control buttons, and status LEDs, are identical to those of the PG-FP5.
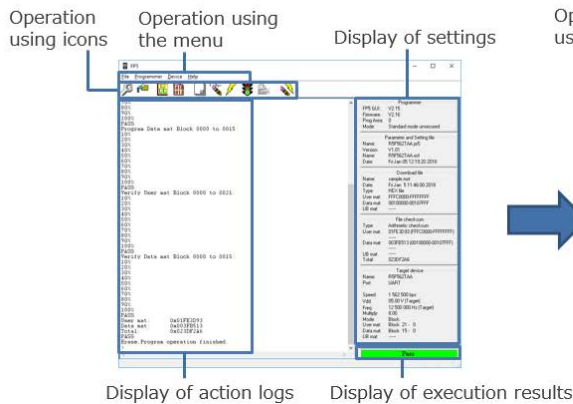


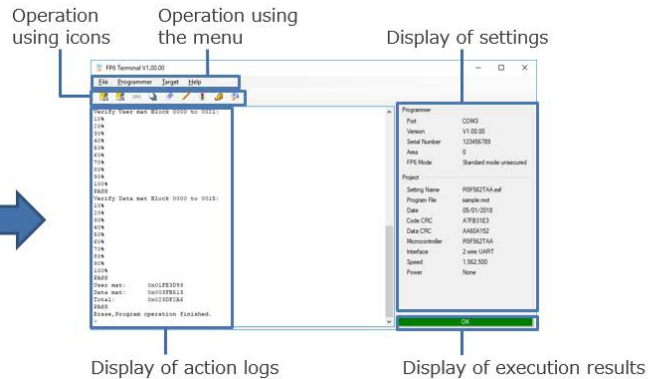#: The VCC LED is lit when the target power supply is turned on.

### 2.3.2 Compatible GUI Configuration Facilitates Immediate Use

The programming GUI configuration for the PG-FP6 is compatible with that for the PG-FP5.

## 2.4 Inheriting Other Features of the PG-FP5

The PG-FP6 inherits the following features of the PG-FP5.

- Standalone programming

- Programming through a dedicated GUI under PC control

- Up to eight instances of programming environments can be saved

- Specialized for use on production lines (command control via serial communications and remote control of signals from external devices)

- Programming of a unique code to a designated area of flash memory

- The FP6 Manager allows the customization required in development and mass-production, such as prevention of a programming operator from modifying the programming settings.

- Self-testing function

## 3. How to Purchase the PG-FP6

For product ordering, contact your local Renesas Electronics marketing office or distributor with the following information.

For product pricing, make inquiries in the same manner.

| Product name: PG-FP6 flash memory programmer | |
|---|---|
| Destination region | Orderable part name |
| Japan | RTE0T00001FWRJP000R |
| Europe and U.S.A. | RTE0T00001FWREA000R |
| China, Hong Kong, Taiwan, South Korea, and Singapore | RTE0T00001FWRAS000R |

Notes: 1. Each country or region has its own specific regulations. A country- or region-specific product can be sold only to that country or region.
For example, a product for Europe and the U.S.A. cannot be purchased in Japan.

For purchases, please consult the Renesas sales office in your region.

2. For information about regions other than the above, contact either a Renesas Electronics Corporation representative (responsible for sales) or distributor.

3. The PG-FP6 comes with a power supply adapter that complies with the standards and matches the plug type of the destination region.
https://www.renesas.com/pg-fp6#adapter

## 4. Remarks

The PG-FP5 is to be discontinued, with final orders being accepted until May 2018.

The addition of supported MCUs to the PG-FP5 will be discontinued in July 2018.

## Revision History

| Rev. | Date | Description | |
|---|---|---|---|
| | | **Page** | **Summary** |
| 1.00 | May 16, 2018 | - | First edition issued |
| | | | |

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