Jun. 2018

Flash Memory Programmer
PG-FP6 NEW

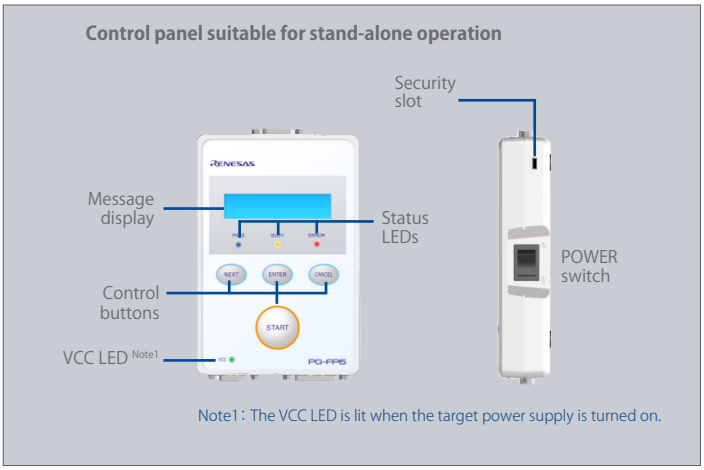
Renesas's proven product has been further enhanced in response to customers' demands!

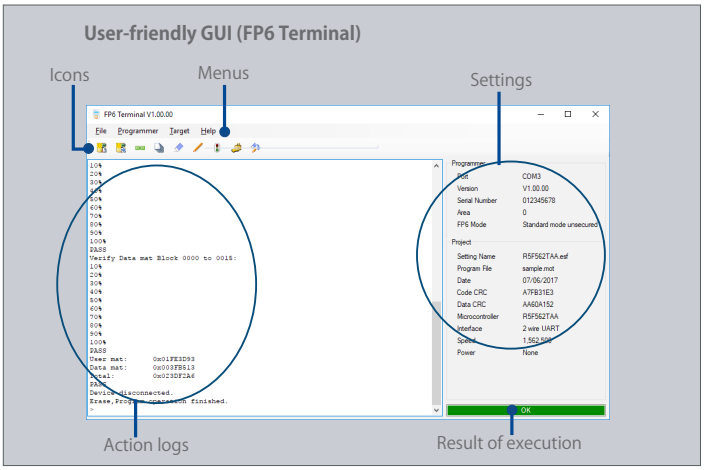
This new product boasts improvements in both productivity (faster data programming speeds), and development efficiency (40% reduction in download time of program files to the main body), while retaining ease-of-use and functionality. Other improvements include an increased code storage capacity (256 MB), and support for large-scale flash memory products.

Main features

- Stand-alone programming
- PC-controlled programming using dedicated GUI (FP6 Terminal)
- Up to 8 savable programming environments
- Optimized for production line programming (command control or remote control)
- Programming a unique code to a designated area of flash memory
- Function to control PG-FP6 main unit (prohibiting uploading and setup)
- Simultaneous selection of multiple program files

PG-FP6





Product package contents:

PG-FP6、GND cable, USB cable, Target cable, Power supply adapter

Supported MCUs:

RL78 family, RX family, RH850 family, Renesas Synergy™ Microcontrollers, Renesas USB Power Delivery family, Power Management, ICs for Motor Driver/Actuator Driver, SuperH family, V850 family, 78K family, R8C family

Details Refer to the Web site for the details.

Operating environment:

Windows® 10 (32-bit/64-bit version),
Windows® 8.1 (32-bit/64-bit version),
Windows® 7 (32-bit/64-bit version)

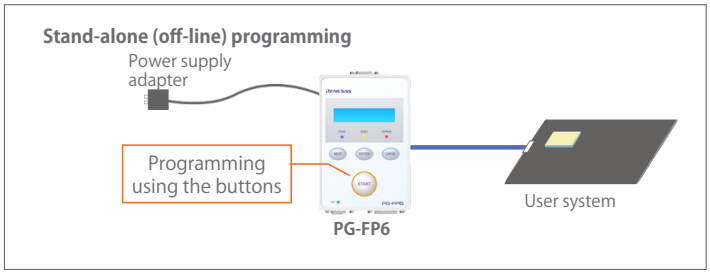
https://www.renesas.com/pg-fp6

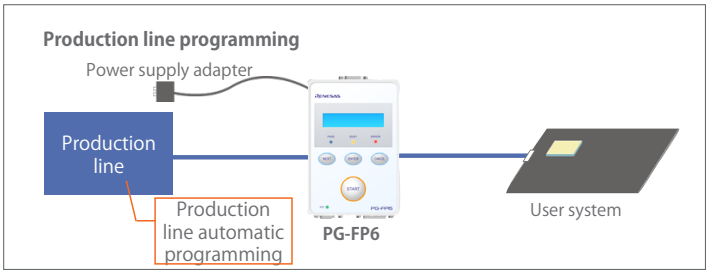
High compatibility with the predecessor

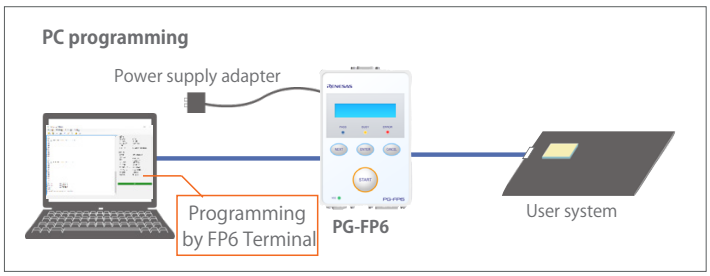
Designed with compatibility with the predecessor PG-FP5 in mind for smooth migration.

- Setup files created with the PG-FP5 can be imported.
- Support of PG-FP5-enabled MCUs (For the V850 and 78K family, only MCUs with single-power-supply flash memory is supported.)
- The same specifications of control buttons, message display, and status LEDs
- The same specification of connector layout
- Connectable to boards designed by using the PG-FP5
- Pursuing programming GUI compatibility

PG-FP6 usage examples







Functional comparison with the predecessor

Programmer / Function	PG-FP6	PG-FP5
External dimensions	140 × 90 × 30 mm (protruding parts excluded)	
Weight	Approximately 245 g	Approximately 230 g
Supported MCUs	RL78, RX, RH850, **Renesas Synergy™, Some special-purpose ICs,** SuperH, R8C, 78K or V850 (singular power supply flash memory)	RL78, RX, RH850, SuperH, R8C, 78K or V850 (singular power supply **/dual power supply flash memory**)
Host interface	USB2.0 (USB1.1) , Serial interface	USB2.0 (USB1.1) , Serial interface
External control interface	Provided	Provided
Terminal control	Provided (command released)	Provided (command released)
Self-testing function	Provided	Provided
Target interface	CSI, CSI-H/S, UART, FINE	CSI, CSI-H/S, UART, FINE, **IIC, PORT**
VDD supply from the programmer	Provided	Provided
ROM code	Max. **256 MB** (divided by 8)	Max. 16 MB (divided by 8, **4, 2, or 1**)
MCU-specific information	**Parameter file for the PG-FP6(Included in FP6 Terminal)**Note1 Multiple files (max. 8) can be read.	Parameter file for the PG-FP5 Multiple files (max. 8) can be read.
MCU security settings	Provided	Provided
Main unit security settings	Provided	Provided
Simple mode	Provided	Provided
Bank mode	Provided	Provided
Single write operation by a programmer	The NEXT, ENTER, or CANCEL buttons are used. The START button is used for write operation.	The NEXT, ENTER, or CANCEL buttons are used. The START button is used for write operation.
Target cable	14-pin cable	14-pin cable, **16-pin cable**
Power	**Power supply adapter for the PG-FP6 (accessory) or USB power supply** Note2	Power supply adapter for the PG-FP5 (sold separately)
Programming GUI	Programming GUI for the PG-FP6: FP6 Terminal Note1	Programming GUI for the PG-FP5 Note1

Note1: The FP6 Terminal for the PG-FP6 includes parameter files and firmware, which are provided separately for the PG-FP5, and USB drivers.
Note2: This function facilitates use of USB power in places where power outlets are not available when reprogramming the field.
When connecting the product directly to the USB port of a PC, use the power supply adapter that comes with the product.

https://www.renesas.com/pg-fp6

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