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Renesas Starter Kit for RL78/G1G

Target Devices

[RL78/G1G](#)

Device Part No. populated on the board: R5F11EFAAFP (RL78/G1G)

Product Overview

The Renesas Starter Kit for RL78/G1G is intended as a user-friendly introductory and evaluation tool for the RL78/G1G microcontroller. The board also provides a useful platform for evaluating the Renesas suite of development tools for coding and debugging, using CubeSuite+ as well as programming the device using E1 emulator and/or Renesas Flash Programmer.

The Renesas Starter Kit for RL78/G1G may be connected to the host PC using the included USB E1 on chip debugging interface.

The purpose of the board is to enable the user to evaluate the capabilities of the device and its peripherals by giving the user a simple platform on which code can be run only minutes from opening box. It can also prove an invaluable tool in development by providing a useful test platform for code already debugged using one of our more powerful emulation tools.

*** In order to make a product installer active, this product needs the internet connection.**

* CubeSuite+ is not generally promoted to the U.S. and European customers. Customers in the U.S. and Europe who are interested in CubeSuite+ are requested to contact our regional marketing departments for details.

Configuration

[Kit with Renesas CubeSuite+]

CPU Board	
Detachable Colour LCD Board Pmod™ Compatible	
Detachable AD Adjustment Shaft	
E1 Emulator	
Connection Cable (USB Cable, User Interface Cable)	
Quick Start Guide	
DVD-ROM	
- Documents:	User Manual, Tutorial, and more
- IDE:	CubeSuite+ (Evaluation Software) RL78, 78K0R Compiler Debugger: E1 Emulator Debugger
- Flash Memory Programmer:	Renesas Flash Programmer (Evaluation Software)

Notes

The CubeSuite+ Evaluation Software does not come with technical support services. In addition, The CubeSuite+ Evaluation Software has some restrictions compared to the Product Version.

- The scope of available memory is restricted to 64 KB of the internal ROM (0-FFFFh) and to the internal RAM.

The Renesas Flash Programmer Evaluation Software does not come with technical support services.

[Kit with e²studio]

CPU Board
 Detachable Colour LCD Board Pmod™ Compatible
 Detachable AD Adjustment Shaft
 E1 Emulator
 Connection Cable (USB Cable, User Interface Cable)
 Quick Start Guide
 DVD-ROM

- Documents: User Manual, Tutorial, and more

- IDE:

- e²studio
- KPIT GNURL78 Toolchain
- E1 Emulator Debugger
- and more

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PC System Requirements

[Kit with Renesas CubeSuite+]

IBM PC/AT or compatible PC (USB2.0 interface necessary) *1
 Processor 1 GHz or higher (must support hyper-threading, multi-core CPUs)
 Memory 2 GB or more recommended. Minimum requirement is 1 GB or more (64-bit Windows requires 2 GB or more) *2
 Hard disk 600 MB or more spare capacity
 Display 1024 x 768 or higher resolution, 65,535 or more colors
 Microsoft Windows Vista / Windows 7 / Windows 8 *2
 All other necessary software environments in addition to Windows OS.

- .NET Framework 4.0 + language pack
- Microsoft Visual C++ 2010 SP1 runtime library
- Internet Explorer 7 or later

*1: IBM and PC/AT are registered trademarks of International Business Machines Corporation of the U.S.

*2: Windows are registered trademarks of Microsoft Corporation of the U.S.

[Kit with e²studio]

IBM PC/AT or compatible PC (USB2.0 interface necessary) *1
 Processor 1.6 GHz or higher
 Memory 1 GB or more recommended.
 Microsoft Windows 7 / Windows 8 *2

*1: IBM and PC/AT are registered trademarks of International Business Machines Corporation of the U.S.

*2: Windows are registered trademarks of Microsoft Corporation of the U.S.

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Technical Support

If you encounter problems concerning the bundled debugger (E1), please contact <http://www.renesas.com/contact/> or csc@renesas.com.

When contacting us, please have the following information ready:

your name, company name, department name, fax number, MCU part number (ex. MCU: R5F11EFAAFP), tool part number, version of debugger and a brief description of the problem.

CubeSuite+ Evaluation Software and Renesas Flash Programmer Evaluation Software do not come with technical support services.

Ordering Information

Product Name	Debugger Supplied	Part Number (Ordering Number)	Availability
Renesas Starter Kit for RL78/G1G (Kit with Renesas CubeSuite+)	E1	R0K5011EFS000BE	Available
Renesas Starter Kit for RL78/G1G (Kit with e ² studio)	E1	YR0K5011EFS000BE	Available

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