

[New release]

R20TS0168EJ0101

Rev.1.01

IEC61508 Certification Kit for RX Compilers V2.03.00

Apr. 16, 2017

Outline

We are releasing the IEC61508 certification kit for RX compilers which supports IEC61508 certification for customers.

1. Features

We provide documents required for acquiring certification on software tools in development of industrial systems with functional safety, such as the IEC61508 certificate, as the IEC61508 certification kit for RX compilers. This certification kit can significantly reduce the need for software tool validity checking required for acquiring the IEC61508 certification.

Additionally, Renesas Electronics Corporation provides the following functional safety solution for industrial automation.

- Safety package
- Safety reference kit

Using this certification kit and the functional safety solution in combination allows you to reduce work load in development of industrial systems with functional safety using RX.

For details about the safety package and safety reference kit, refer to the URL below.

<https://www.renesas.com/solutions/factory/common-technologies/functional-safety-solution-for-industrial-automation.html>

1.1 Contents of the Product

The IEC61508 certification kit for RX compilers provides the following documents:

- IEC61508 certificate that TÜV Rheinland has issued for C/C++ compiler for RX family V2.03.00
- Report about the evaluation of Renesas Compiler Suite CC-RX V2.03.00
- IEC61508-certified safety manual for C/C++ compiler for RX family
- Failure information for C/C++ compiler for RX family V2.03.00
(Failure, conditions, workaround)

Note: The IEC61508 certification kit for RX compilers does not include the C/C++ compiler package for RX family. The C/C++ compiler package for RX family needs to be purchased separately.

1.2 Supported Compiler

C/C++ compiler for RX family V2.03.00

2. Purchasing the Product

For product ordering, contact your local Renesas Electronics marketing office or distributor.

For product pricing, make inquiries in the same manner.

On-sale date: End of April, 2017

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Apr. 16, 2017	-	First edition issued
1.01	Oct. 30, 2019	1	Added the version number in the title.

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■Inquiry
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