

[Notification]

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Rev.1.00

Dec. 16, 2022

C Compiler Package for RL78 Family (CC-RL)

Changes in Specifications of Free Evaluation Edition

Outline

The specifications and restrictions on the C Compiler Package for RL78 Family (CC-RL) free evaluation edition will be changed.

1. Applicable Product

C Compiler Package for RL78 Family (CC-RL)

There will be no change in C/C++ Compiler Packages other than the product above.

2. Schedule

The changes will be made when C Compiler Package for RL78 Family (CC-RL) V1.12.00 is released (scheduled in January 2023).

3. Details

The specifications and restrictions on the CC-RL free evaluation edition will be changed as follows.

	Time period	Product development Commercial use	Restrictions on functions	Technical support
Before	During evaluation period	Not allowed	None	Not provided
	After evaluation period	Not allowed	Size of linkable object Functions of professional edition	Not provided
After	During evaluation period	Allowed ^{*1}	None	Not provided
	After evaluation period	Allowed	Optimization ^{*2} Functions of professional edition	Not provided

Evaluation period: 60 days after the first build following the initial installation of the free evaluation edition

^{*1} It is not allowed to use the functions provided only during the evaluation period for product development and commercial purposes.

^{*2} V1.11.00 and earlier: The current restriction on the size of linkable object is applied.

3.1 Restrictions on functions after evaluation period

CC-RL V1.11.00 and earlier: The size of linkable object is reduced to 64 KB after the evaluation period.

CC-RL V1.12.00 and later: The restriction on the size of linkable object will be removed, but restrictions on optimization levels will be made. After the evaluation period, only the optimization levels -Onothing and -Olite will be provided. For more information, see the table below.

If you need the powerful optimization that contributed the RL78 to be certified as the world lowest-power-consumption MCU by EEMBC/ULPMarkTM-PP, consider purchasing the commercial license.

Note that there will be no change in restrictions on the functions of the professional edition.

List of optimization levels (CC-RL V1.12.00 and later)

Optimization level	Summary	During evaluation period	After evaluation period
-Onothing	Strong debugging	Provided	Provided
-Olite ^{*3}	Applied partially	Provided	Provided
-Odefault	Good balance between object size and execution speed	Provided	Not provided
-Osize	Prioritize object size	Provided	Not provided
-Ospeed	Prioritize execution speed	Provided	Not provided

*3 Added to CC-RL V1.12.00. It performs medium-level optimization between -Onothing and -Odefault.

3.2 Restrictions on purpose of use

Use of the CC-RL free evaluation edition has been limited to evaluation of devices and development environments and for non-commercial purposes. After the release of V1.12.00, all the versions of CC-RL free evaluation edition (V1.00.00 and later) can be used for any purpose, including development and production of products and for commercial purposes.

Note that use of the free evaluation edition for commercial purposes is allowed during the evaluation period; however, functions provided only during the evaluation period are not allowed to be used for commercial purposes.

Regarding the free evaluation editions of other Renesas compilers (such as CC-RX and CC-RH), use only for evaluation and non-commercial purposes.

4. Technical Support

Technical support is not provided for the free evaluation editions of all the CC-RL versions (V1.00.00 and later). If you need technical support, consider purchasing the commercial license.

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Dec.16.22	-	First edition issued

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