| [Upgrade to revision]<br><br>C Compiler Package for RL78 CC-RL V1.10.00 | R20TS0647EJ0100<br>Rev.1.00<br>Jan. 16, 2021 |
|---|---|

## Overview

The C Compiler Package for RL78 Family CC-RL has been revised from V1.09.00 to V1.10.00.

V1.10.00 includes feature enhancements such as addition of an optimization option and a function to display the CRC calculation results.

## 1. Version to Be Updated

CC-RL V1.00.00 to V1.09.00

## 2. Items Revised

The major revision points are as follows. Refer to the following release note for details.

This information will be released on January 20.

https://www.renesas.com/software-tool/c-compiler-package-rl78-family#documents

RL78 Compiler CC-RL V1.10.00 Release Note

### 2.1 Addition of the -stuff Option

The -stuff option has been added to allocate each variable to a section depending on the alignment value.

Specifying this option can reduce the ROM/RAM size.

### 2.2 Addition of the -Obranch_chaining Option

The -Obranch_chaining option has been added to perform optimization by reducing the code size of branch instructions.

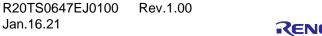Specifying this option slows down the execution speed but may reduce the code size.

### 2.3 Addition of the -Oalign Option

The -Oalign option has been added to perform optimization that involves a change in the variable alignment condition.

Specifying this option can reduce the code size or increase the execution speed.

### 2.4 Improved Optimization

Optimization is improved, including a function to integrate shared instruction sequences and improved accuracy of alias analysis.

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## 2.5　Description of Modification

The problem regarding the point below has been fixed.

- RENESAS TOOL NEWS Document No. R20TS0652EJ0100

1. Using the -Ointermodule option (CCRL#026)

For details about the problem, refer to the following Tool News. This information will be released on January 20.
https://www.renesas.com/software-tool/c-compiler-package-rl78-family#documents

- RENESAS TOOL NEWS Document No. R20TS0652EJ0100

[Note] C Compiler Package for RL78 Family (CCRL#026)

## 3.　How to Update Your Copy

### 3.1　Updating Online

From the Windows Start menu, select Renesas Electronics CS+ to start the Update Manager and update the program. This service will be available from January 20.

If you are using a floating license, also download and install Software for floating license management V2.04.00 from the following URL:
https://www.renesas.com/software-tool/c-compiler-package-rl78-family#documents

### 3.2　Download the Installer from the Web

Download the installer from the following URL. The installer will be available from January 20.
https://www.renesas.com/software-tool/c-compiler-package-rl78-family#documents

Also download and install License Manager V2.04.00 from the above URL.

If you are using a floating license, also download and install Software for floating license management V2.04.00 from the above URL.

## 4.　How to Purchase the New Software

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

For product pricing, make inquiries in the same manner.

For details on purchasing the latest CC-RL, refer to the product page at the following URL:

https://www.renesas.com/rl78_c

## Revision History

| Rev. | Date | Description | |
|---|---|---|---|
| | | Page | Summary |
| 1.00 | Jan.16.21 | - | First edition issued |
| | | | |

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