
[Upgrade to Revision]

R20TS1206EJ0100

Rev.1.00

Jan. 20, 2026

C Compiler Package for RL78 Family [CC-RL] V1.16.00

(macOS: CC-RL V1.16.01)

Outline

C Compiler Package for RL78 Family [CC-RL] has been updated to V1.16.00 (macOS: V1.16.01).
V1.16.00 (V1.16.01) includes feature enhancements.

1. Products to Be Updated

For Windows: CC-RL V1.00.00 to V1.15.01

For Linux: CC-RL V1.13.01 to V1.15.01

2. Description

Main changes are as follows. For details, see the release note at the link below.

<https://www.renesas.com/rl78-c-documentation>

C Compiler Package for RL78 Family V1.16.00 Release Note

2.1 Support for macOS

Versions of macOS have been added to the operating environments.

Operating environments:

macOS 14 (Sonoma)

macOS 15 (Sequoia)

2.2 Addition of the `__delay_cycles` Intrinsic Function

The `__delay_cycles` intrinsic function has been added.

This function implements low-power wait processing for the specified number of cycles with small code size.

2.3 Addition of the `strtok_r` Library Function

The `strtok_r` reentrant library function has been added.

This function is a reentrant version of the character string operation function, `strtok`, which extracts a token from a string.

2.4 Disclosure of the `-M`, `-MM`, `-MP`, and `-MT` Options

The `-M`, `-MM`, `-MP`, and `-MT` options have been disclosed.

These options output information on dependencies between the source and include files to dependency files.

The output dependency files can be included in a makefile.

2.5 Improvements to the -Owhole_program Option

The functionality of the -Owhole_program option has been improved.

When the -Owhole_program option is specified, reduction of the code size and optimization of the speed of execution have been enhanced for programs that use external variables.

2.6 Issues Fixed

The notes in the following tool news have been fixed.

- RENESAS TOOL NEWS: R20TS1115EJ0100
[Notes] C Compiler Package for RL78 Family (CCRL#034)

2.7 Further Change and Improvement

Internal errors would sometimes occur in the build process of previous revisions. This behavior has been corrected.

3. Updating the Product

3.1 Online Update [For Windows Only]

On the Windows Start menu, select [Renesas Electronics CS+], and then run the update manager.

If you are using a floating license, the software for floating license management is required. Download and install it from the link below.

<https://www.renesas.com/rl78-c-download>

3.2 Downloading the Installer

Download and install RL78 Compiler CC-RL V1.16.00 from the link below.

<https://www.renesas.com/rl78-c-download>

Note that License Manager is required. Download and install it from the link above.

If you are using a floating license, the software for floating license management is also required. Download and install it from the link above.

4. Purchasing the Product

Contact your local Renesas Electronics sales office or distributor and inform them of the product information.

For the price of the product, contact the sales office or distributor.

For the product name and orderable part number, refer to the link below.

<https://www.renesas.com/rl78-c-order>

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jan.20.26	-	First edition issued

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