

[Upgrade to Revision]

R20TS1232EJ0100

Rev.1.00

e² studio RL78 Smart Configurator Plug-in 2026-04.1,
Smart Configurator for RL78 V1.17.0

Apr. 20, 2026

Outline

The products in the title have been updated as follows.

- (1) e² studio RL78 Smart Configurator Plug-in: From 2025-12 to 2026-04.1 (It will be available on May 20.)
- (2) Smart Configurator for RL78: From V1.16.0 to V1.17.0

1. Products to Be Updated

- e² studio 2025-12 (RL78 Smart Configurator Plug-in 2025-12) and earlier
- Smart Configurator for RL78 V1.16.0 and earlier

2. Description

The main changes are as follows. For details, refer to the Release Note.

<https://www.renesas.com/software-tool/r178-smart-configurator#documents>

Smart Configurator for RL78 V1.17.0 Release Note

2.1 Issues Fixed

- Fixed the issue where code generation did not change when the compiler language property was modified in e² studio

An issue has been fixed where the language standard of the compiler configured in e² studio was not reflected in the code generation results. From this version onward, Smart Configurator generates code that reflects the language standard settings in e² studio for both CC-RL and LLVM projects.

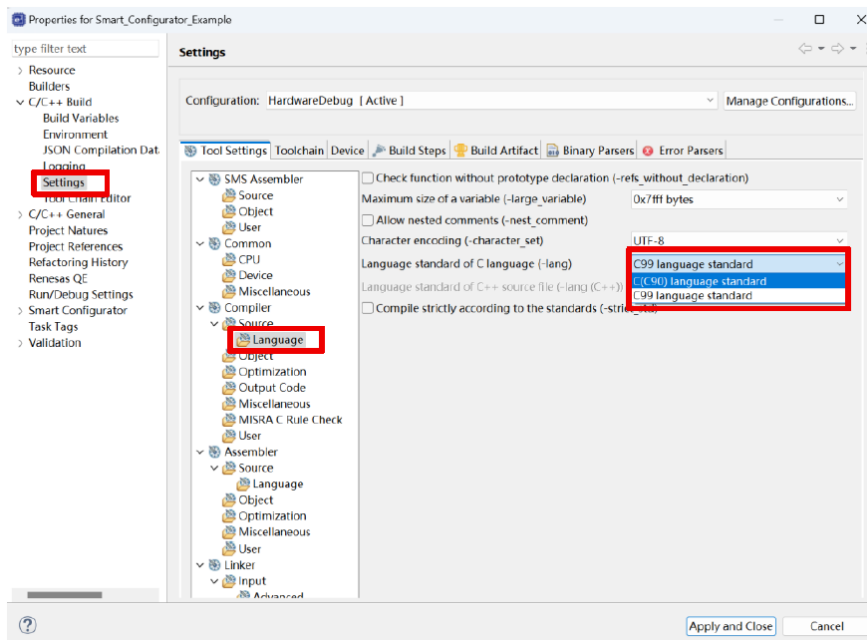


Figure 2-1 The property of “Language standard of C language (-lang)” in CC-RL project

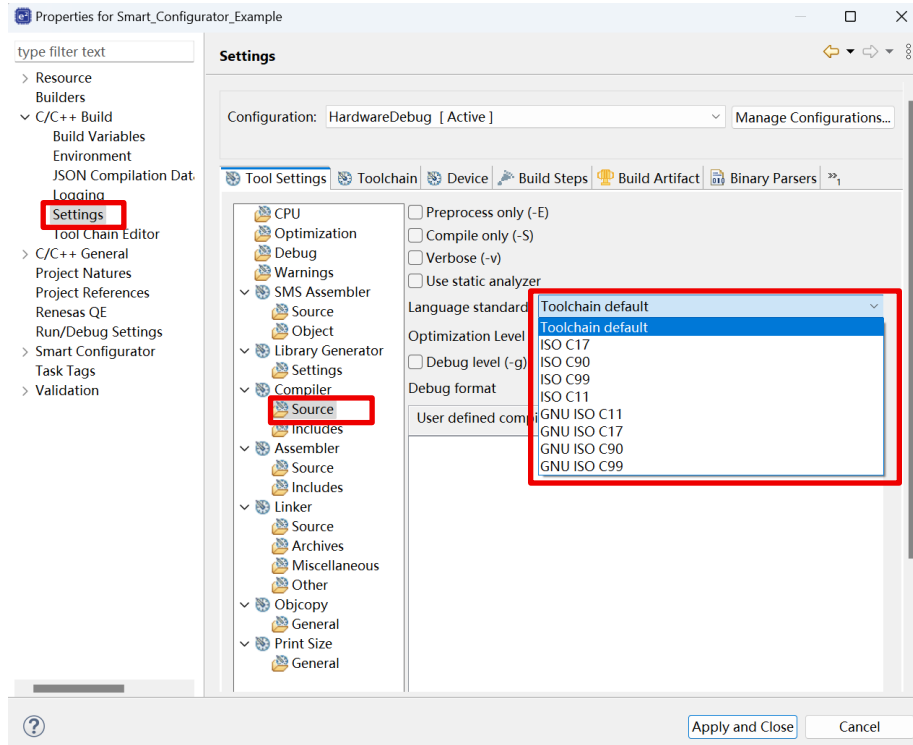


Figure 2-2 The property of “Language standard” in LLVM project

- Fixed the issue where I2C Communication (Slave mode) couldn't send or receive data correctly when the all address matching function was enabled in IICA

(Applicable devices: RL78/G22, G23, G24, L23)

An issue has been fixed where data transmission and reception did not work correctly when the all address match function of IICA was enabled.

The driver code of `r_{Config_IICAn}_slave_handler()` has been modified. (*n* indicates the channel number.)



Figure 2-3 All address match function

2.2 Specification changes

- Updated the specification for flash serial programming security ID

From this version onward, Smart Configurator updates the specification of flash serial programming security ID. By default, “Use flash serial programming security ID” is unchecked and the flash serial programming security ID value will remain all “FF” on-chip memory.

(Applicable devices: RL78/F22, F23, F24, F25)

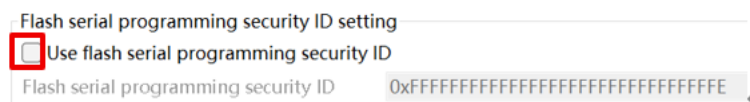


Figure 2-4 The default setting of flash serial programming security ID

3. Updating the Product

3.1 Using Smart Configurator on e² studio

By updating e² studio, the Smart Configurator is also updated.

For details on how to update e² studio, refer to “3. How to Update” in the following Tool News.

<https://www.renesas.com/software-tool/e-studio#documents>

[Upgrade to Version] e² studio Integrated Development Environment 2026-04.1

3.2 Using standalone version of Smart Configurator with CS+

(1) Download and install the latest Smart Configurator for RL78 from following URL.

<https://www.renesas.com/rl78-smart-configurator#downloads>

Smart Configurator for RL78 V1.17.0

(2) From the Windows Start menu, select Programs > Renesas Electronics CS+, and then run the Update Manager

Note: If you started CS+ with the Rapid Startup function enabled, exit CS+, and then start the Update Manager.

If the Rapid Startup function is enabled and the CS+ icon is shown in the Windows notification area, the following error occurs.

M0120001

"CubeSuiteW+.exe"

Installation is suspended because "CubeSuiteW+.exe" is running.

It will be resumed next time you start the tool.

Revision History

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

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