

[Notes]

R20TS0402EJ0100

Rev.1.00

CS+ Integrated Development Environment

Feb. 16, 2019

Outline

When using the CS+ integrated development environment, note the following point.

1. Point for caution when using the watch panel, local variable panel, and Python console panel

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1.1 Applicable Products

- For RH850 and RX family:
 - CS+ for CC integrated development environment V3.00.00 to V8.01.00
 - CubeSuite+ integrated development environment V2.02.00 or later
 - [Evaluation edition] CS+ for CC integrated development environment V3.00.00 to V8.01.00
 - [Evaluation edition] CubeSuite+ integrated development environment V2.02.00 or later
- For RL78 family:
 - CS+ for CC integrated development environment V3.00.00 to V8.01.00
 - [Evaluation edition] CS+ for CC integrated development environment V3.00.00 to V8.01.00

1.2 Applicable MCUs

RH850 family, RX family, and RL78 family

1.3 Details

When using an emulator or simulator, it may not be possible to assign an integer correctly to a variable in the watch panel, local variable panel, or Python console panel.

1.4 Conditions

- For RH850 and RX family:

The problem occurs if all of the following conditions (a) to (c) are met:

 - (a) A variable of the signed, unsigned long long, float, or double type is used.
 - (b) Unary operator “-” or “~” is used.
 - (c) An integer ranging from 2147483648 to 4294967295 is assigned.

➤ For RL78 family:

The problem occurs if either of the following conditions (1) or (2) is met:

- (1) All of the following conditions (1-a) to (1-c) are met.
 - (1-a) A variable of the signed, unsigned long, float, or double type is used.
 - (1-b) Unary operator “-” or “~” is used.
 - (1-c) An integer ranging from 32768 to 65535 is assigned.
- (2) All of the following conditions (2-a) to (2-c) are met.
 - (2-a) A variable of the signed, unsigned long long, float, or double type is used.
 - (2-b) Unary operator “-” or “~” is used.
 - (2-c) An integer ranging from 32768 to 65535 or from 2147483648 to 4294967295 is assigned.

1.5 Workaround

Use the following methods to avoid the problem.

- Enter “(-1)*integer” instead of unary operator “-”.
Example: Enter “(-1)*32768” instead of “-32768”.
- Enter “(-1)*integer-1” instead of unary operator “~”.
Example: Enter “(-1)*32768-1” instead of “~32768”.

1.6 Schedule for Fixing the Problem

The problem will be fixed in the version upgrade scheduled to be released in July 2019.

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Feb. 16, 2019	-	First edition issued

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