

Notes on Using Device Information for the RX Family (Managed by CS+) and the e2 studio Integrated Development Environment

When using the device information for the RX family (managed by CS+) and the e2 studio integrated development environment, take note of the problems on the following points:

- I/O header files for the RX230 and RX231 groups
 - The [IOR] panel (in CS+) and [IO Register] window (in the e2 studio) for the RX230 and RX231 groups
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1. Problem with I/O Header Files for the RX230 and RX231 Groups

1.1 Applicable products

- CS+ Device Information for RX V1.09.00
- e2 studio V4.0.2.008

How to check the version number:

- CS+ Device Information for RX

Check your version number of "CS+ Device Information for RX" or "CubeSuite+ DevInfo_RX" with reference to the procedure described under the heading "Components" at the URL below.

https://www.renesas.com/cs+_ver

- e2 studio

Check your version number of "e2 studio" in the dialog box opened by selecting "About e2 studio" from the "Help" menu of e2 studio.

1.2 Descriptions

The I/O header file (iodefine.h V.1.0C)(*) for the RX230 and RX231 groups, which is copied when a project for the RX230 or RX231 group is created in the product, has the errors shown below.

Hereafter, we refer to the header file including these errors as

"iodefine.h V1.0C".

Note: The I/O header file is common to the RX230 and RX231 groups.

- Bit B6 is defined in the ODR0 register of PORTJ but is not present in the products.
- Bit B3 is not defined in the ODR0 register of PORTJ but is present in the products.

1.3 Workaround

Replace the I/O header file with the new correct I/O header file through the following steps.

Hereafter, we refer to the new I/O header file as "iodefine.h V1.0D".

(1) Get the iodefine.h V1.0D file.

Download the rx231_iodefine_v100d.zip file (52.8KB) from the following URL and decompress it.

https://www.renesas.com/media/products/software-tools/download_pdf/rx231_iodefine_v100d.zip

(2) Replace iodefine.h V1.0C in the created project with iodefine.h V1.0D.

1.4 Schedule for fixing the problem

This problem will be fixed in a later version of the product.

2. Problem with IOR Panel (in CS+) and IO Register Window (in the e2 studio) for the RX230 and RX231 Groups

2.1 Applicable products

- CS+ Device Information for RX V1.09.00
- e2 studio V4.0.2.008

How to check the version number:

- CS+ Device Information for RX

Check your version number of "CS+ Device Information for RX" or "CubeSuite+ DevInfo_RX" with reference to the procedure described under the heading "Components" at the URL below.

https://www.renesas.com/cs+_ver

- e2 studio

Check your version number of "e2 studio" in the dialog box opened by selecting "About e2 studio" from the "Help" menu of e2 studio.

2.2 Descriptions

For IOR panel (used with CS+) and IO Register window (used with e2 studio) for the RX230 and RX231 groups, the ODR0 register of PORTJ has the errors shown below.

- Bit B6 is defined in the ODR0 register of PORTJ but is not present in the products.
- Bit B3 is not defined in the ODR0 register of PORTJ but is present in the products.

2.3 Workaround

Refer to and set the ODR0 register of PORTJ in byte units.

2.4 Schedule for fixing the problem

This problem will be fixed in a later version of the product.

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