RENESAS Tool News

Note on Using Integrated Development Environment CubeSuite+ for RX Family V2.02.00

When using the CubeSuite+ for the RX Family V2.02.00, take note of the following problem:

- With debugging the RX220 group

---

1. Products Concerned
   - C/C++ Compiler and IDE for RX Family
   - Evaluation edition of CubeSuite+

   This problem applies for either of the above products with CubeSuite+
   common program V2.02.00.

   To check to see your version number, refer to the following URL:
   https://www.renesas.com/cs+_ver

2. MCUs Involved
   In the RX220 group: R5F52201BxFK, R5F52201BxFL, and R5F52201BxFM

3. Descriptions
3.1 In the case of creating a new project for the target microcontroller using CubeSuite+ V2.02.00
   Even though "RX E1(Serial)(L)" or "RX E20(Serial)(R)" is selected
   as the debug tool, connection to the debug tool will not succeed
   and CubeSuite+ will still not operate correctly after this.

3.2 In the case of loading a project for the target microcontroller that was created using a CubeSuite+ whose version is earlier than V2.02.00
   When loading a project for which "RX E1(Serial)(L)" or
   "RX E20(Serial)(R)" is selected as the debug tool, the following
   error message is displayed and the project file cannot be opened.

     Error(E0202002)

Opening a project failed.
[Direct Error Cause]
Enter a value in the range of 0 to FC00.(W0603018)
----

4. Workarounds
4.1 In the case of creating a new project for the target microcontroller
For the microcontroller to be used, select a microcontroller
in the RX220 group other than the target microcontroller.
Note that though the on-chip ROM size and on-chip RAM size are
increased compared to the target microcontroller, this does not
cause a problem in debugging as long as the increased memory areas
are not used.

For example, if R5F52203BxFK, R5F52203BxFL, or R5F52203BxFM is selected,
the on-chip ROM size is increased by 32 KB (0xFFFF0000-0xFFFF7FFF)
and the on-chip RAM size by 4 KB (0x00001000-0x00001FFF) compared
to the target microcontroller. These increased areas should not be used.

4.2 In the case of using a project that was created using a CubeSuite+ whose version is earlier than V2.02.00
Please consult your local Renesas Electronics marketing office
or distributor.

5. Schedule for Fixing the Problem
This problem will be fixed in the next version of the CubeSuite+
common program.