RENESAS Tool News

Notes on Using the Real-Time OS --M3T-MR30/4-- for the M16C MCU Series

Please take note of the following problem and correction in using the real-time OS --M3T-MR30/4--for the M16C MCU series:

- Problem with using the GUI configurator
- Correction to the user's manual

1. Problem with Using the GUI Configurator

1.1 Product and Version Concerned

M3T-MR30/4 V.4.00 Release 01, which is used for the M16C series (NOTE 1)
NOTE 1. The M16C series is the generic name of the M16C/60, /30, /20, /10, /Tiny, and R8C/Tiny series.

1.2 Description

Reading the ".cfg" file generated by the GUI configurator using cfg30 results in an error, dispatching the following message:
  cfg30 Error : unknown token --> <timer_clock>

1.3 Condition

This problem occurs under the conditions that the Use time management function check box is checked in the time management function dialog of the GUI configurator while it is running, a ".cfg" file is generated, and then this file is read using cfg30.

1.4 Workaround

Replace the text "timer_clock" outputted to the ".cfg" file with "mpu_clock"; then run cfg30.

Original:
// system clock definition
clock{

```
    timer_clock  = 16.000000MHz;
    timer       = A0;
    IPL         = 3;
  };


  After replaced:
  // system clock definition
  clock{
    mpu_clock  = 16.000000MHz;
    timer       = A0;
    IPL         = 3;
  };
```

1.5 Schedule of Fixing the Problem

We plan to fix this problem in the next release of the product.

2 Correction to the User's Manual

2.1 Manual Concerned

M3T-MR30/4 V.4.00 User's Manual
  (Real-time OS for M16C/60, M16C/30, M16C/20, M16C/10, M16C/Tiny,
   R8C/Tiny series)
Document No. REJ10J1249-0100 and REJ10J1249-0200

2.2 Correction

(1) Document No. REJ10J1249-0100
  In page 250, item no. 35 (Section 8.1.3, "Configuration File Example");
    Read mpu_clock for timer_clock
(2) Document No. REJ10J1249-0200
  In page 249, item no. 35 (Section 8.1.3, "Configuration File Example");
    Read mpu_clock for timer_clock

2.3 Schedule of Revising the User's Manual

We plan to revise the user's manual in the next release of the product.