RENESAS Tool News

Device Driver Published for Clock-Synchronous Serial Communications through RSPI on MCUs of RX62N Group

We have published the following device driver:

- Device driver for clock-synchronous serial communications through Renesas Serial Peripheral Interface (RSPI) on MCUs of the RX62N group We supply it free of charge.

1. Overview

This device driver can establish three-wired method clock-synchronous serial communications between the master device, an MCU of the RX62N group, and the slave device connected to Renesas Electronics Serial Peripheral Interface (RSPI) on the MCU.

As a slave device, any of the following is used:
   - R1EX25xxx/HN58X25xxx Series SPI Serial EEPROMs
      For details of these, see:
      https://www.renesas.com/products/memory/eeprom.html
   - Micron Technology M25P Series Serial Flash memories
   - Micron Technology M45PE Series Serial Flash memories

You can download the control middleware programs for the above slave devices free of charge from our Web sites. For details, see Section 2.

2. Obtaining Device Driver and Control Middleware Programs

To obtain the driver and middleware programs, follow these steps:

(1) Open either of the following Web pages:
   - The Application Notes & Sample Code page of Serial EEPROM Driver:
      https://www.renesas.com/a_eeprom_driver_app_notes
   - The Application Notes & Sample Code page of Serial Flash Driver
      https://www.renesas.com/a_serial_flash_driver_app_notes
   You see the list of titles of application notes and that of sample codes.

(2) Search for the application note of the product you want in the list.

The names of the products and their application notes are as follows:
 - Device driver for clock-synchronous serial-communication through
   RSPI on MCUs of RX62N group:
      "RX62N Group Clock Synchronous Single Master Control Software
       Using the RSPI"
      (This application note will be published on November 20, 2012)

 - Control middleware for Renesas Electronics R1EX25xxx/HN58X25xxx
   series serial EEPROM
      "Renesas R1EX25xxx Series Serial EEPROM Control Software"

 - Control middleware for Micron Technology M25P series serial
   flash memory
      "Micron Technology M25P Series Serial Flash Memory Control Software"

 - Control middleware for Micron Technology M45PE series serial
   flash memory
      "Micron Technology M45PE Series Serial Flash Memory Control Software"

(3) Click the Sample Program link in the Project Files column on the
    right of the title of the application note searched for.
(4) Read through AGREEMENT and click Agree.
(5) From the download page, download the sample program you want.