RENESAS Tool News

A Device Driver Launched for 78K0R/Kx3-L MCUs Used as
Clock-Synchronous Single Master Devices with a Serial Array Unit (SAU) in CSI Mode

We have launched a driver for 78K0R/Kx3-L MCUs that is used as clock-synchronous single master devices with a serial array unit (SAU) in the CSI mode.

1. Overview

You can establish clock-synchronous serial communications between the master device, a 78K0R/Kx3-L MCU, and the slave device connected to the MCU's serial array unit (SAU) in the CSI mode.

As a slave device, any of the following is used:
  - R1EX25xxx and HN58X25xxx series SPI Serial EEPROM
  - Micron Technology M25P series Serial Flash memory
  - Micron Technology M45PE series Serial Flash memory
You can download control middleware for these slave devices free of charge at our Web sites. For details, see Section 2.

2. Obtaining the Driver and Control Middleware Programs

To obtain the product, follow these steps:
(1) For the driver and the control middleware program for the serial
    EEPROM, go to the following Web page:
https://www.renesas.com/products/software-tools/software-os-middleware-driver/filesystem-device-driver/spi-serial-eeprom-driver.html#sampleCodes

For the driver and the control middleware programs for the serial

flash memories, go to the following Web page:

https://www.renesas.com/products/software-tools/software-os-middleware-driver/
filesystem-device-driver/spi-qspi-serial-flash-driver.html#sampleCodes

You see the list of titles of Application Notes.
(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:
(They will be published on this March 5.)
 - A Device Driver for 78K0R/Kx3-L MCUs Used as Clock-Synchronous
    Single Master Devices with a Serial Array Unit (SAU) in CSI Mode
       "Clock Synchronous Single Master Control Software Using
        CSI Mode of Serial Array Unit"
  - Renesas R1EX25xxx and HN58X25xxx Series Serial EEPROM
    Control Middleware
       "Renesas R1EX25xxx Series Serial EEPROM Control Software"
  - Micron Technology M25P Series Serial Flash memory Control
    Middleware
       "Micron Technology M25P Series Serial Flash memory
        Control Software"
  - Micron Technology M45PE Series Serial Flash memory Control
    Middleware
       "Micron Technology M45PE Series Serial Flash memory
        Control Software"
(3) Click Sample Program in the Project Files column to the right of
    the above title.
(4) Read through AGREEMENT that appears; then click Agree.
(5) From the Download page, download the product.