

SPI-Mode MultiMedia Card Driver for RX Family Revised to V.1.01 Release 00

We have revised the SPI-mode MultiMedia Card driver for the RX family of MCUs from V.1.00 Release 00 to V.1.01 Release 00, which is supplied free of charge.

1. Overview

The SPI-mode MultiMedia Card driver for the RX family is a driver software product, which controls the MultiMedia Card (MMC) by using the serial communications function of the RX family of MCUs.

Included with the product are three sample programs, each of which is used for writing to and reading from the MultiMedia Card with the middleware evaluation board for an MCU group being connected to the Renesas Starter Kit supported by the sample program. (NOTE)

The supported Renesas Starter Kits are as follows:

- Renesas Starter Kit for RX610
- Renesas Starter Kit+ for RX62N
- Renesas Starter Kit for RX210

You need to use this driver when you evaluate the write and read operations to and from the MultiMedia Card by using

the open-source FAT file system M3S-TFAT-Tiny for the RX family.

For details of the revised M3S-TFAT-Tiny, see RENESAS TOOL NEWS Document No. 121216/tn10. You can see this news on the Web page at:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=121216tn10>

This page will be opened on December 20, 2012.

NOTE: The middleware evaluation board is an expansion circuit for running RENESAS middleware on Renesas Starter Kit.

For details of the board, see the following application note:

"RX600 Series Usage of Renesas Starter Kit for RX610
Middleware Evaluation Board"

You can download this application note on the Web page at:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=R21AN0004>

2. Descriptions of Revision

The key items of the revision are as follows:

- (1) The RX62N and RX210 groups of MCUs supported.
- (2) The sample programs updated.
- (3) The source code improved, so the access rate to the MultiMedia Card enhanced.
- (4) The following interfaces and switching functions supported:
 - SCI in the RX610 group of MCUs (only ch1 supported in the earliest version.)
 - SCI and RSPI in the RX62N group of MCUs
 - SCI and RSPI in the RX210 group of MCUs
 - Channel switching function
 - ON/OFF function of DTC
 - ON/OFF function of the CRC operation unit

3. Obtaining Product

To obtain the product, follow these steps:

- (1) Go to the following Web page:

<https://www.renesas.com/products/software-tools/software-os-middleware-driver/renesas-software-library/m3s-tfat-tiny.html#sampleCodes>

You see the list of titles of application notes.

- (2) Search the list for the following application note:
"RX Family SPI mode MultiMediaCard Driver: Introduction Guide"
- (3) Click the Hyperlink 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.

[Disclaimer]

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.