

RENESAS TOOL NEWS on March 16, 2015: 150316/tn1

Release of Middleware for the Control of Serial Flash Memory from Macronix International by RX Family and RL78 Family Devices

We have launched V2.21 Release 01 of the MX25/66L family serial NOR Flash Memory Control Software from Macronix International for the RX family and RL78 family.

This middleware is supplied free of charge.

Note: While the product is a new release, its version numbers start from V2.21, Release 01.

1. Outline of the Middleware

This middleware controls the following slave devices in systems that also incorporate a supported MCU from Renesas.

Slave device:

- MX25L serial NOR Flash Memory from Macronix International
- MX66L serial NOR Flash Memory from Macronix International

For the supported MCUs, see Section 2.

A clock-synchronous single-master driver is also needed to control the master device. This driver is also supplied free of charge for each supported MCU family or group.

Please refer to Section 3 for more information on how to obtain this middleware and the driver.

For an overview of the software configuration, visit our Web page at the following URL and refer to the block diagram.

This page is to be updated on March 19.

2. Supported MCUs

The supported MCUs and serial interfaces to be used are as follows.

- RX family
 - RX610 group
 - Serial Communications Interface (SCI)
 - RX62N group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIa)
 - RX63N group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIc, SCId)
 - RX63T group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIc, SCId)
 - RX64M group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIc, SCId)
 - RX210 group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIc, SCId)
 - RX21A group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIc)
 - RX220 group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIf, SCIf)
 - RX111 group
 - Serial Peripheral Interface (RSPI)
 - Serial Communications Interface (SCIf, SCIf)
- RL78 family
 - RL78/G1C group
 - Serial Array Unit (SAU)
 - RL78/L12 group
 - Serial Array Unit (SAU)
 - RL78/L13 Group
 - Serial Array Unit (SAU)
 - RL78/L1C Group
 - Serial Array Unit (SAU)
- 78K family
 - 78K0R/Kx3-L
 - Serial Array Unit (SAU)

3. Obtaining the Middleware

To obtain the application note and sample code, follow the steps below.

(1) Access the page at the following URL.

https://www.renesas.com/a_serial_flash_driver_app_notes

You will see a list of titles of application notes and sample code.

(2) Check RX Family, RL78 Family, or 78K Family in the "Select by Products" box and click on "Search by Products".

You will see a list of products in the MCU family which you designated.

(3) In the list, find the application note for the product you want.

The names of the products and the titles of the application notes are as follows.

(a) Middleware for serial flash memory control

Serial Flash Memory Control Middleware from Macronix International for RX Family and RL78 Family

"Macronix International MX25/66L Family Serial NOR Flash Memory Control Software"

(b) Clock synchronous single master driver

RX family

"RX210, RX21A, RX220, RX63N, RX63T, RX111, RX64M Group Clock Synchronous Single Master Control Software Using the RSPI"

"RX210, RX21A, RX220, RX63N, RX63T, RX111, RX64M Group Clock Synchronous Single Master Control Software Using the SCI"

"RX62N Group Clock Synchronous Single Master Control Software Using the RSPI"

"RX62N Group Clock Synchronous Single Master Control Software Using the SCI"

"RX610 Group Clock Synchronous Single Master Control Software Using the SCI"

RL78 family

"RL78/G14, RL78/G1C, RL78/L12, RL78/L13, RL78/L1C Group Clock Synchronous Single Master Control Software Using CSI Mode of Serial Array Unit"

78K family

"78K0R/Kx3-L Clock Synchronous Single Master Control Software Using CSI Mode of Serial Array Unit"

(4) Click on the hyperlink in the "Project Files" column of the given

application note. After that, click on "Download" on the "Download" page.

(5) Log in to MY RENESAS.

(6) Confirm the displayed "Notes" and click on "Agree", then 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.

© 2010-2016 Renesas Electronics Corporation. All rights reserved.