

RENESAS TOOL NEWS on July 16, 2012: 120716/tn3

## FAT File System Library M3S-TFAT-Tiny for V850 Family V.1.00 Release 00 Published

We have published the FAT file system library M3S-TFAT-Tiny for the V850 Family V.1.00 Release 00, which we supply free of charge. For details of M3S-TFAT-Tiny software, see the Web site at:

<https://www.renesas.com/mw/tfat>

The above ULR is one of our global sites.

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### 1. Overview

This M3S-TFAT-Tiny product is a program for FAT file systems, which consumes only a small amount of memory. It can store such data as measurement and history, and reprogram on-chip ROM via memory cards in systems designed with MCUs of the V850 family.

Because it communicates with the PC, you can analyze and manage the data in the library by using applications in your PC.

For how to obtain the product, see Section 4.1.

We also supply the application note explaining the method of controlling memory cards and a sample program for controlling them.

For how to obtaining these, see Section 4.2.

### 2. Device Support

The V850E2/ML4 MCUs, V850 family have been supported.

### 3. Features

(1) Compactly designed for embedded systems

For instance, ROM consumption in MCUs of the V850 family is about

several KB.

- (2) Real-Time OS unnecessary
- (3) A sample program attached

A sample program to use the M3S-TFAT-Tiny for the V850 Family and the program for controlling memory cards is attached to the product. The sample program operates on the socket expansion circuit of the memory card, which is used together with the V850E2/ML4 evaluation board (R0K0F4022C000BR; under development) under the integrated development environment CubeSuite+. The M3S-TFAT-Tiny includes the circuit diagram of a socket expansion circuit of memory cards for reference.

## 4. Obtaining Product and Sample Program

To obtain the product and sample program, follow these steps:

### 4.1 M3S-TFAT-Tiny for V850 Family

- (1) Visit the following Web site to open the list of Applications & Sample Code:  
<https://www.renesas.com/products/software-tools/software-os-middleware-driver/renesas-software-library/m3s-tfat-tiny.html#sampleCodes>  
The above URL is one of our global sites.
- (2) In the Document Title column, search for "V850 Family M3S-TFAT-Tiny: FAT File System Software Introduction Guide."
- (3) Click the link to Program in the Project Files column of the row.
- (4) Read through AGREEMENT and click Agree.
- (5) Download the program from the page displayed.

### 4.2 Application Note Explaining Method of Controlling Memory Cards and Sample Program for Controlling Them

Follow the same steps as Section 4.1: in the step (2) above, search for "V850E2/ML4 MultiMediaCard SPI Mode Device Driver Adoption Guide" and then download the sample program.

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