RENESAS Tool News

Release of Advanced Encryption Standard (AES) Library for the RL78 Family

We have released the AES library for the RL78 Family of MCUs as V.1.04 Release 01.

NOTE:
Although this is a new product, the version numbers of released product start with V.1.04 Release 01.

1. Overview

AES stands for Advanced Encryption Standard and is a well-known symmetric block cipher. It is applied to, for example, cryptographic communications between various electronic devices.
The AES library for the RL78 Family of MCUs is software which realizes AES cryptography. That is, implementing this product provides any device which uses an MCU of the RL78 Family with AES encryption and decryption facilities.

2. Features

- The AES library is optimized to suit the assembler code of MCUs in the RL78 Family.
- Realizes efficient encryption and decryption in accord with the AES.
- Supports the AES-GCM standard which is used in the field of smart meters.
- Supported integrated development environments.
  (a) CubeSuite+ integrated development environment provided by Renesas
  (b) IAR Embedded Workbench (EW) integrated development environment for the RL78 Family of MCUs provided by IAR Systems

3. Ordering

When you place an order for the product, supply the following items of information to your local Renesas Electronics marketing office or distributor:
  Product type : AES library for the RL78 Family
  Part name   : R0M7800QA0010RRC

For the price of the product, contact the above marketing office or distributor.